

Index of Organisations: Engineering & Architecture

AECOM	Fairfield Control Systems
Arup	Jacobs Engineering Inc
Bespak Innovation Centre, Cambridge	JBA Consulting
Breathing Buildings	RAF
Cambridge Bio-Augmentation Systems	Renishaw
Cambridge Consultants	Romax
Cambridge University Department of Engineering - Dynamics and Vibration Research Group	Romax Technology
Concrete Canvas	Samsung Cambridge Solutions Centre
Costain	Samsung Cambridge Solutions Centre
Cosworth	Siemens Magnetic Research
Davies Maguire	Solarflare Communications
Defense Science and Technology Agency	TWI
DSTL	ZephIR

Vacation Work Feedback (provided December 2018)

Name of organisation	AECOM
What does the organisation do?	AECOM is an engineering firm - mainly do design, consulting, construction, and management
Where were you located?	Croydon, UK
What did you do?	Operational modelling for a light rail project. Used track geometry and vehicle characteristics to create a runtime model of the existing Sheffield Supertram network, and provided theoretical runtimes for a BRT replacement. Other work included the investigation and collation of useful as-built data and drafting of technical reports.
For how long did you do it?	9 - 12 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Word of mouth/networking - friends, family
What did you personally gain from the experience (insights, skills etc.)?	General real world working experience. By the time I'd started the placement I had already realised that this was not the sector of engineering that I wanted to enter, but was still very useful. I was lucky to work in a team that gave me a decent amount of responsibility and let me work on the things that I found personally interesting.
What were your average weekly earnings?	£250 - £399
How long in advance did you start to arrange this experience?	4-6 months
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	A job offer; Financial support / sponsorship during your studies
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	Penultimate
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Engineering Tripos Finalist

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Arup
What does the organisation do?	Engineering Consultancy.
Where were you located?	London.
What did you do?	Software development for Advanced Technology and Research team.
For how long did you do it?	4 - 8 weeks
In which vacation?	Christmas
How did you first find out about this opportunity?	Worked with the team before coming to Cambridge.
What did you personally gain from the experience (insights, skills etc.)?	Developed technical skills and knowledge.
What were your average weekly earnings?	> £400
How long in advance did you start to arrange this experience?	0-3 months
Do you think this opportunity might be available to other Cambridge students?	No
As a result of this experience were you offered anything?	Lots of the above offered on previous placement with Arup, not this one.
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	First
Which year did you have this experience?	2017
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Engineering Tripos Other

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Bespak Innovation Centre, Cambridge
What does the organisation do?	The innovation centre is responsible for mechanical innovation and design of medical devices.
Where were you located?	Cambridge
What did you do?	Conducted tests on devices and wrote up test reports. Looked at failed devices and performing root cause analysis on them.
For how long did you do it?	9 - 12 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Engineering careers department
What did you personally gain from the experience (insights, skills etc.)?	Gained confidence in presenting my ideas, organising my own schedule, being able to adapt to new situations quickly. Gained some knowledge of small scale manufacturing, particularly polymer processing such as mould flow.
What were your average weekly earnings?	£250 - £399
How long in advance did you start to arrange this experience?	7-9 months
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	Further vacation experience;Helpful contacts;References
If you needed a work permit or special visa, how did you obtain one?	N/a

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	Intermediate (2nd of 4 year course)
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Engineering Tripos Penultimate

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Breathing Buildings
What does the organisation do?	Design and manufacture hybrid ventilation systems
Where were you located?	Cambridge
What did you do?	Designed and proposed solutions.
For how long did you do it?	4 - 8 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Other Cambridge University Department
What did you personally gain from the experience (insights, skills etc.)?	Employment experience. Insight into building design industry. Excel skills. Professional communication skills.
What were your average weekly earnings?	< £249
How long in advance did you start to arrange this experience?	4-6 months
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	Further vacation experience
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	First
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Information withheld.

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Cambridge Bio-Augmentation Systems
What does the organisation do?	Developing an open-standard implant for prosthetic limbs.
Where were you located?	Cambridge, UK
What did you do?	Performed machine learning on neural data to see whether physiological information could be inferred from it.
For how long did you do it?	4 - 8 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Other Cambridge University Department
What did you personally gain from the experience (insights, skills etc.)?	Gained experience in a difficult machine learning task about which there is little published literature.
What were your average weekly earnings?	£250 - £399
How long in advance did you start to arrange this experience?	0-3 months
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	Helpful contacts;References
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	Penultimate
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Engineering Tripos Finalist

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Cambridge Consultants
What does the organisation do?	Engineering consultancy
Where were you located?	Cambridge science park
What did you do?	Mainly worked on an e cigarette project, testing and debugging our prototype device
For how long did you do it?	4 - 8 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	I did my Year in Industry there
What did you personally gain from the experience (insights, skills etc.)?	Improved my design and coding skills, took on more responsibility and had a significant contribution in client meetings
What were your average weekly earnings?	£250 - £399
How long in advance did you start to arrange this experience?	0-3 months
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	Further vacation experience;Financial support / sponsorship during your studies
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	Intermediate (2nd of 4 year course)
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Engineering Tripos Penultimate

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Cambridge University Department of Engineering - Dynamics and Vibration Research Group
What does the organisation do?	The work of the group is directed at the many challenging dynamics and vibration problems associated with the design of modern engineering structures and transportation systems, and ranges from long-term fundamental research to shorter term applied research aimed at a specific industrial need
Where were you located?	Cambridge
What did you do?	Began design and development of a new datalogger program in Python, for use in the group's research and teaching.
For how long did you do it?	9 - 12 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Other Cambridge University Department
What did you personally gain from the experience (insights, skills etc.)?	Insight into what it's like working in research. Software development experience - creating and refining specifications, development, testing. Improved knowledge and ability with Python, particularly in object-oriented and user interface design.
What were your average weekly earnings?	Unpaid
How long in advance did you start to arrange this experience?	4-6 months
Do you think this opportunity might be available to other Cambridge students?	Part of the UROP programme - a similar project may run again in future
As a result of this experience were you offered anything?	None of the above
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	First
Which year did you have this experience?	2017
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Engineering Tripos Penultimate

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Concrete Canvas
What does the organisation do?	Concrete Canvas is the sole producer of the flexible, concrete impregnated product: Concrete Canvas (no surprises there...). At 50 employees they are a very mobile company with a large focus on product improvement and R&D.
Where were you located?	Pontypridd, Wales
What did you do?	I was hired as an engineering intern for the summer vacation. I worked for 10 weeks. My job was primarily based on the set project of developing an existing production line for the production of a joined form of Concrete Canvas. I had the task of adding the functionality for the line to join an additional seam of Concrete Canvas to the existing double seam piece. This involved the implementation of mechanical, electrical and software infrastructure and so I was given the opportunity to greatly widen my skill set over a range of disciplines. The project was largely independent, with only the occasional semi ad-hoc meeting with my line manager (lead engineer). I had to set my own deadlines and contrive my own work schedule. Having the machine under my control during the implementation stages was also brought the need for careful planning of an implementation schedule as the system was still being used for production.
For how long did you do it?	9 - 12 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Worked there last year, before that CUED careers service
What did you personally gain from the experience (insights, skills etc.)?	Much of this was covered in Q9. Briefly:- Electrical, Mechanical, Software practical implementation - Time management- Interaction with co-workers, manager -> Concision in conveying current state of project (issues, purchase requirements, likely completion dates etc.)- Operations conscious prioritisation of work flow- Work culture, relationship building NB - CC is a very social company owing largely to its small size, with this I had the chance to interact with a large proportion of the work force
What were your average weekly earnings?	£250 - £399
How long in advance did you start to arrange this experience?	Very short, no interview process this year (previous year 4-6 months; but flexible)
Do you think this opportunity might be available to other Cambridge students?	Yes

Vacation Work Feedback (provided December 2018)

As a result of this experience were you offered anything?	A job offer;Further vacation experience;Helpful contacts;References
If you needed a work permit or special visa, how did you obtain one?	
Which year of your University course were you in when you arranged it?	Intermediate (2nd of 4 year course)
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Engineering Tripos Penultimate

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Costain
What does the organisation do?	Civil Engineering Construction company (contractor) operating in the UK Rail, Highways, Water, Energy, Oil and Gas and Nuclear Sectors.
Where were you located?	London, UK
What did you do?	I worked as a site engineer on the Tideway East Project at Greenwich Pumping Station. Mainly looking after the construction of the capping beams for the tunnel shaft structures.
For how long did you do it?	9 - 12 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Speculative application
What did you personally gain from the experience (insights, skills etc.)?	Excellent experience of working for a civil engineering contractor on a large scale project. This was my third placement with the company and I received a job offer following an interview at the end.
What were your average weekly earnings?	£250 - £399
How long in advance did you start to arrange this experience?	This was my third summer placement with Costain but I applied for the first 7-9 months in advance.
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	A job offer
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	Penultimate
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	The vacation experience over my three summers has been very rewarding but I think I referred my first two placements of around 8 weeks to my last at 12 weeks. Less than 8 would be too short for most placements I think but 12 was tough to manage as it left

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Engineering Tripos Finalist

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Cosworth
What does the organisation do?	Software for Automotive Engineering
Where were you located?	Cambridge
What did you do?	Build a simulation system for a variety of cars, including prototype supercars.
For how long did you do it?	More than 12 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Other Cambridge University Department
What did you personally gain from the experience (insights, skills etc.)?	An insight into development practices at a firm specialising in software. Experience of working as part of a larger team, and the development methodologies this requires.
What were your average weekly earnings?	> £400
How long in advance did you start to arrange this experience?	4-6 months
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	Further vacation experience; Helpful contacts; References
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	First
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Computer Science Tripos Penultimate

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Davies Maguire
What does the organisation do?	Structural engineering design consultancy
Where were you located?	London (Euston)
What did you do?	Design of structural members using analysis software. Data collection for use in reports. Site visits.
For how long did you do it?	4 - 8 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Speculative application
What did you personally gain from the experience (insights, skills etc.)?	Insight into the structural design engineering industry. Skills in structural analysis, using Eurocodes and use of software.
What were your average weekly earnings?	<£249
How long in advance did you start to arrange this experience?	4-6 months
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	Further vacation experience; Helpful contacts
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	Intermediate (2nd of 4 year course)
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	Was very good experience would recommend.

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Engineering Tripos Penultimate

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Defense Science and Technology Agency
What does the organisation do?	Develops technologies to safeguard the security of Singapore
Where were you located?	Singapore
What did you do?	Develop software for autonomous swarm systems
For how long did you do it?	9 - 12 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Scholarship
What did you personally gain from the experience (insights, skills etc.)?	Insight on the office culture at DSTA, along with experiences in algorithm writing
What were your average weekly earnings?	£250 - £399
How long in advance did you start to arrange this experience?	0-3 months
Do you think this opportunity might be available to other Cambridge students?	Open to Singaporeans and Permanent Residents in Singapore
As a result of this experience were you offered anything?	Financial support / sponsorship during your studies; Helpful contacts
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	First
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Information withheld.

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	DSTL
What does the organisation do?	Science & Technology research for the UK MoD
Where were you located?	Portsmouth
What did you do?	A number of technical exercises, focusing on engine thermal management and eVTOL concepts for tilt rotor craft
For how long did you do it?	9 - 12 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Online searching inc. organisation websites
What did you personally gain from the experience (insights, skills etc.)?	Some insight into the working practices in this sector, mainly, and a little information regarding modelling techniques.
What were your average weekly earnings?	< £249
How long in advance did you start to arrange this experience?	4-6 months
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	A job offer;References
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	Penultimate
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Engineering Tripos Finalist

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Fairfield Control Systems
What does the organisation do?	Industrial safety systems for a variety of industries including: manufacturing, rides, bridges, power stations and waterways. This includes both the electrical design and installation of a system, the purchasing and installation of equipment such as pumps and motors, designing the safety system (basically a logic program which runs on a device such as a PLC) and maintenance.
Where were you located?	Gloucester, UK They also have a head office in Retford, UK (fairly near Sheffield)
What did you do?	Electrical drawings - Site visits - Design documentation - CAD drawings - Interpreting customer drawings - software (logic programs for Programmable logic Controllers) - Database updating (e.g. Bill of materials) - Testing (Helped to test a ventilation system) - Communication with customers
For how long did you do it?	4 - 8 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Engineering industrial database
What did you personally gain from the experience (insights, skills etc.)?	The team are lovely and very welcoming, I felt instantly at home and really enjoyed the experience. I learnt to use some industry software packages for electrical schematics and panel design. I gained a lot more confidence using industrial electrical equipment and doing practical engineering. I was given a lot of support but was quickly allowed to take responsibility for parts of several projects which meant that I learnt how projects are run and got to contribute to several in small ways.
What were your average weekly earnings?	£250 - £399
How long in advance did you start to arrange this experience?	Returned to them after another internship the previous year
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	A job offer; Financial support / sponsorship during your studies; Helpful contacts

Vacation Work Feedback (provided December 2018)

If you needed a work permit or special visa, how did you obtain one?	
Which year of your University course were you in when you arranged it?	Penultimate
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	The company has now taken and ultimately employed a couple of Cambridge engineering graduates. If you are interested in working for them I would recommend sending a CV and a covering letter to the email address on the website.

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Engineering Tripos Finalist

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Jacobs Engineering Inc
What does the organisation do?	Technical services and consultancy
Where were you located?	Manchester
What did you do?	Internship in the Highways department. Tasks involved production of concise reports that reviewed transport policy, data analysis using Excel and GIS, contributing to team presentations and site visits.
For how long did you do it?	4 - 8 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Online searching inc. organisation websites
What did you personally gain from the experience (insights, skills etc.)?	I was able to gain greater commercial awareness, particularly as it was arranged I could speak to members of other departments such as transport planning and buildings and infrastructure to see what other kind of careers were out there. Applying quantitative and qualitative data analysis methods to real client projects to meet specific deadlines helped develop organisational skills and ability to produce high quality work in a professional environment.
What were your average weekly earnings?	£250 - £399
How long in advance did you start to arrange this experience?	4-6 months
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	A job offer
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	Penultimate
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Geographical Tripos Finalist

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	JBA Consulting
What does the organisation do?	JBA Consulting are a water and environmental consultant and designer and they are currently in a joint venture with JN Bentley (a civil engineering contractor). Together they supply the Environment Agency's Water and Environment Management (WEM) Framework through Lot 4: Asset Delivery (design and build). They develop concept and detailed design solutions and construct works across a wide range of flood risk management assets.
Where were you located?	Peterborough
What did you do?	I assisted engineers on a variety of projects completing technical calculations and collating construction documents.
For how long did you do it?	9 - 12 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Online searching inc. organisation websites
What did you personally gain from the experience (insights, skills etc.)?	I learnt what was required at each phase of the design process, who to talk to when gathering information, how to apply BIM to projects and how to use new software.
What were your average weekly earnings?	£250 - £399
How long in advance did you start to arrange this experience?	4-6 months
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	A job offer;Further vacation experience;Financial support / sponsorship during your studies;References
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	Penultimate
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Information withheld.

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	RAF
What does the organisation do?	Branch of Ministry of Defence.
Where were you located?	High Wycombe.
What did you do?	Worked with Personnel Strategy team to develop artificial intelligence and machine learning tools to aid with Personnel planning and strategy.
For how long did you do it?	4 - 8 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Online searching inc. organisation websites
What did you personally gain from the experience (insights, skills etc.)?	Developed technical skills and knowledge of the industry.
What were your average weekly earnings?	£250 - £399
How long in advance did you start to arrange this experience?	10-12 months
Do you think this opportunity might be available to other Cambridge students?	Arranged as part of a Government-backed sponsorship scheme.
As a result of this experience were you offered anything?	Further vacation experience; Helpful contacts
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	First
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Engineering Tripos Other

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Renishaw
What does the organisation do?	An engineering company that specialises in precise measurement instruments.
Where were you located?	Wooton-Under-Edge, Gloucestershire, England
What did you do?	Worked as part of the Electrical Engineering team on the library subteam, who design specific electrical components. I worked on using, implementing and documenting how to use a software which made the electrical design process easier.
For how long did you do it?	4 - 8 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Other Cambridge University Department
What did you personally gain from the experience (insights, skills etc.)?	Experience in a working environment - attending meetings, doing presentations and interacting with colleagues really boosted my confidence. Also learnt a lot of new skills related to the course I was doing.
What were your average weekly earnings?	£250 - £399
How long in advance did you start to arrange this experience?	4-6 months
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	Further vacation experience
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	First
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Natural Sciences Tripos Other

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Romax
What does the organisation do?	Engineering - design software for modelling gear boxes
Where were you located?	Nottingham
What did you do?	Programming job of modelling heat flow through gear boxes for 8 weeks
For how long did you do it?	4 - 8 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Careers Service advertisement
What did you personally gain from the experience (insights, skills etc.)?	Programming skills, idea of working in an office
What were your average weekly earnings?	£250 - £399
How long in advance did you start to arrange this experience?	4-6 months
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	Further vacation experience; Financial support / sponsorship during your studies
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	First
Which year did you have this experience?	2017
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Engineering Tripos Penultimate

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Romax Technology
What does the organisation do?	Engineering Consultancy and Gearbox Design
Where were you located?	Nottingham, Nottinghamshire
What did you do?	Worked in the R&D Department to develop a neural network.
For how long did you do it?	4 - 8 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Careers Service advertisement
What did you personally gain from the experience (insights, skills etc.)?	Programming, neural networks
What were your average weekly earnings?	£250 - £399
How long in advance did you start to arrange this experience?	4-6 months
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	Helpful contacts
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	First
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Engineering Tripos Other

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Samsung Cambridge Solutions Centre
What does the organisation do?	Design wifi chip firmware
Where were you located?	Science park, Cambridge
What did you do?	Radio Firmware Assistant Engineer
For how long did you do it?	More than 12 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Careers Service advertisement
What did you personally gain from the experience (insights, skills etc.)?	Python, matlab, code reviewing procedure
What were your average weekly earnings?	£250 - £399
How long in advance did you start to arrange this experience?	0-3 months
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	Further vacation experience
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	Intermediate (2nd of 4 year course)
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Engineering Tripos Penultimate

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Samsung Cambridge Solutions Centre
What does the organisation do?	Design, test and program WiFi chips for Samsung electronics products
Where were you located?	North Cambridge, on the St Johns Innovation Park
What did you do?	Electrical/information engineering work on WiFi
For how long did you do it?	9 - 12 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Other Cambridge University Department
What did you personally gain from the experience (insights, skills etc.)?	Lots more engineering skills and more experience of working in a big tech company
What were your average weekly earnings?	£250 - £399
How long in advance did you start to arrange this experience?	7-9 months
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	A job offer
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	Penultimate
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Engineering Tripos Finalist

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Siemens Magnetic Research
What does the organisation do?	Design and manufacture MRI Scanners.
Where were you located?	Oxford, England.
What did you do?	I developed a machine learning approach to diagnosing faults in the MRI magnets.
For how long did you do it?	4 - 8 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Speculative application
What did you personally gain from the experience (insights, skills etc.)?	I developed my coding skills and technical knowledge, as well as an insight into a new industry.
What were your average weekly earnings?	£250 - £399
How long in advance did you start to arrange this experience?	10-12 months
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	Further vacation experience; Financial support / sponsorship during your studies
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	Intermediate (2nd of 4 year course)
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Engineering Tripos Penultimate

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	Solarflare Communications
What does the organisation do?	Develop high speed networking chips, supplying organisations like bloomberg
Where were you located?	Cambridge
What did you do?	Tried to see if their products could speed up consumer facing websites, allowing them to branch out.
For how long did you do it?	4 - 8 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Online searching inc. organisation websites
What did you personally gain from the experience (insights, skills etc.)?	Insight into modern software engineering practices. Knowledge about networking.
What were your average weekly earnings?	> £400
How long in advance did you start to arrange this experience?	4-6 months
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	Helpful contacts;References
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	Penultimate
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Computer Science Tripos Finalist

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	TWI
What does the organisation do?	Research and consultancy in manufacturing and joining technologies. They have divisions in Materials, Structural Integrity and Joining Technologies (e.g. welding).
Where were you located?	Granta Park, Great Abington, Cambridgeshire
What did you do?	Non-Destructive Testing Intern- Project title: X-Ray Microscopy of MEMS Components.- Designed parts on SolidWorks to incorporate into TWI's developing X-Ray Microscope (XRM).- Operated an X-Ray detector in order to locate defects in MEMS components, and determine the detector's effectiveness for use in a new XRM.- Wrote programs on Python, MATLAB and ImageJ macro language to operate the XRM and to correct and stitch the resulting images, which to be implemented into the TWI's XRM.- Wrote a report detailing and explaining the effects of different image correction techniques on XRM images, which is now being used by TWI as a reference guide for future work.
For how long did you do it?	9 - 12 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Other Cambridge University Department
What did you personally gain from the experience (insights, skills etc.)?	I gained experience of working in industry. For example, how difference the pace is, the kinds of people I would be working with, and an insight into working with clients as opposed to self-guided research. I also gained a lot of programming experience as I taught myself Python.
What were your average weekly earnings?	< £249
How long in advance did you start to arrange this experience?	4-6 months
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	Further vacation experience

Vacation Work Feedback (provided December 2018)

If you needed a work permit or special visa, how did you obtain one?	
Which year of your University course were you in when you arranged it?	Penultimate
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Natural Sciences Tripos Finalist

[Back to index](#)

Vacation Work Feedback (provided December 2018)

Name of organisation	ZephIR
What does the organisation do?	Makes lidars to be used for wind measurements.
Where were you located?	Great Malvern, Worcestershire
What did you do?	Worked in the R&D department as a data analyst, to use the data from projects as a way to advertise the functionality of the lidars.
For how long did you do it?	9 - 12 weeks
In which vacation?	Summer
How did you first find out about this opportunity?	Other Cambridge University Department
What did you personally gain from the experience (insights, skills etc.)?	Python programming skills, insight into the wind farm industry.
What were your average weekly earnings?	£250 - £399
How long in advance did you start to arrange this experience?	4-6 months
Do you think this opportunity might be available to other Cambridge students?	Yes
As a result of this experience were you offered anything?	Helpful contacts;References
If you needed a work permit or special visa, how did you obtain one?	

Vacation Work Feedback (provided December 2018)

Which year of your University course were you in when you arranged it?	Penultimate
Which year did you have this experience?	2018
Do you have any other comments regarding your experience?	

Details of the student who provided this feedback (some students have asked us to omit Raven ID/course details):

Engineering Tripos Finalist

[Back to index](#)