RECOMMENDED RESOURCES:
GAIN EXPERIENCE, BUILD YOUR SKILLS AND KNOWLEDGE
- FROM EMPLOYERS AND STUDENTS-

We have reached out to banking and financial markets employers, and fellow students, and curated a list of recommended online courses and resources that can help you build skills and gain further insight and knowledge into the financial market sector.

With huge thanks to the employers who contributed:
Citi, GIC, Gleacher Shacklock, Goldman Sachs, HSBC, Jane Street, Optiver.

Top Tip from employers:
Keep up to date with trends in the market - data analysis and programming are coming out as the top current skills to have.

Virtual learning opportunities

Courses and providers

Coursera	BPP
Udemy	Fitch Learning
FutureLearn	London Academy of Trading
EDX	Imperial Business school
Bright Network Academy	Finance Unlocked – Extensive insight into the financial markets and companies.

Recommended for junior investment bankers and traders
Coursera - Accounting and introduction to spreadsheets and financial models.

Udemy - the complete banking investment course.

Trading, investment and financial modelling
Employers are looking for a genuine interest in capital markets and investing - one way to demonstrate this is by running a dummy portfolio and being able to talk about it at interview.

IG Academy - short courses on investment, trading, and financial markets.

Investopedia – stock market simulator.

Shaw Academy - financial trading and investment course.

Wall Street Prep

Bloomberg markets for education.

Data science and machine learning
Coursera - data science specialisation.

Udacity - machine learning and data science nano degrees.

Coursera - algo trading and machine learning.

Quant modeling, algorithmic trading, financial engineering
Coursera - quant modeling, financial engineering and algorithmic toolboxes.

Quant Institute - algorithmic trading course.

MSc in Financial Engineering with World Quant University (free)

Computer science and programming
Harvard University Introduction into Computer Science - CS50

Deep Learning and AI
Neural Networks and Deep Learning course

Understanding Neural Networks and Deep Learning conceptually (free online book).

Virtual internships

Bright Network Internship Experience UK - sector-focused core skills sessions delivered by leading employers – on demand videos.

Forage (formerly Inside Sherpa) - discover free virtual internship opportunities with global banking organisations, Citi, JP Morgan and more…

Skills

Personal and technical skills
Wide range of courses through <u>LinkedIn Learning Cambridge Hub</u>.

Excel for Finance – <u>Udemy</u> or <u>Corporate Finance Institute</u>

Data analysis and programming
For example: VBA, C++, C, Java, Python, Tableau. Below are a few examples of the many on offer. (See above course providers for other courses).

Python
<u>SoloLearn</u>   <u>Codeacademy</u>   <u>Code First Girls</u>

Data Science and SQL
<u>Codeacademy</u> and <u>Coursera</u>

Project management
Familiarise yourself with transformation change function and basic project management skills.

<u>Project Management</u> approaches and methodologies.

<u>Project Management principles</u> - Coursera

<u>PRINCE2</u>

<u>Agile Alliance</u>

Personal effectiveness
Webinar
<u>The art of plain speaking</u>, led by Charlie Corbett (journalist at The Financial Times & Wall Street Journal and author of The Art of Plain Speaking).

Video interview practice
<u>Shortlist me video interview practice</u>

<u>Five tips for successful video interviews</u>

Webinars and virtual events
Watch past webinars and events, or sign up to new ones.

<u>Handshake</u> - Cambridge careers platform with employer's events and webinars.

<u>Finimize</u>   <u>Eventbrite</u>   <u>Fidelity</u>

Offline learning (beat the screen fatigue!)

Reading offscreen

Raising awareness
- When Genuis Fails: The Rise and Fall of Long-Term Capital Management - Roger Lowenstein
- Against the Gods - Peter L Bernstein
- The Big Short - Michael Lewis
- Too Big to Fail - Andrew Ross Sorkin
- The Greatest Trade Ever - Gregory Zuckerman
- Flash Boys - Michael Lewis
- The Smartest Guys in the Room - Bethany McLean and Peter Elkind
- Take the Devil Hindmost - Michael Cathgart Froden
- Extraordinary Popular Delusions and the Madness of Crowds - Charles Mackay
- The Everything Store - Jeff Bezos
- Titan - The life of John D Rockefeller, Sr - Ron Chernow
- Bad Blood - John Carreyrou
- Spark: The Definitive Guide - Bill Chambers, Matei Zaharia

Personal effectiveness
- 7 Habits of Highly Effective People - Stephen Covey
- Thinking Fast and Slow - Daniel Kahneman
- Man's Search for Meaning - Viktor Frankl

Big data environments

The Basics of Machine Learning and Data Science

Machine Learning with Python Cookbook: Practical Solutions from Preprocessing to Deep Learning - Chris Albon

Podcasts

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The Investors Field Guide - Invest like the Best

Cliff Assness the king of quant on Invest like the Best

Lee Cooperman on Masters in Business

Impact and ESG investing podcast with Katherine Collins

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NB The courses in this document have not been endorsed by University of Cambridge. So please tread carefully when searching for online courses, do your research and focus on what you will gain and enjoy from the process.