

# Jack Jorgensen

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## SKILLS

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- Programming Languages: Python, C, Java, SQL, Bash, Linux
- Programming skills: Object Orientated, Jira, Pandas, Cloud
- Strong communication skills, from public speaking and presentation to working in a team
- Self motivated, independent Learner
- Strong mathematics, logical, and problem solving skills

## PROJECTS/CERTIFICATES

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- Google Cloud Platform, Associate Cloud Engineer 2022
- Reboot 2022 Hackathon, 3rd Place
- Bloomberg Market Concepts (2021)

## EDUCATION

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### The University of Manchester

Manchester

#### BSc Hons Mathematics and Computer Science - 2:1

2018 - 2022

- Select modules included: Financial Mathematics, Probability, Machine Learning, and Cryptography
- Research project: Intelligent controller of an electromagnet using a Raspberry Pi.
  - \* Created a novel program for fine control of an electromagnet, intended to be used as part of a wider system or integrated into another program such as LabView.
  - \* The research focused particularly around developing an algorithm to overcome the issues of both magnetic hysteresis and saturation

## EXPERIENCE

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### Software Engineer Graduate

London

Lloyds Banking Group

September 2022 - Current

- 2 Year rotational graduate program, including Atlassian Admin Team and Cloud Engineering
- Worked on a range of projects, taking the lead on the following:
  - Proof of concept GitHub hook for validating Jira Tickets in Bash. Custom data retrieval and cleaning script via Jira Align API. All required frequent collaboration across multiple teams
- Integrated quickly with new teams, undertaking independent learning and certification when required (e.g GCP ACE)

### Trading Intern

Remote

Mako Trading

July 2022 - August 2022

- Awarded best data analysis project. The project included quantitative research and data analysis using API data in Python. Used Pandas to implement delta hedging and produce comparative plots
- Instruction sessions on market-making theory via ZISHI. Covering basic options theory, Greeks, volatility, skew, and hedging strategies
- Participated in options trading practice via Volucube. Trading single options and spreads

### Research Intern

Manchester

University of Manchester

June 2022 - August 2022

- Contributed to active research as part of a team spread across 5+ institutions
- Created and maintained the official GitHub repository for the project. Developing key functionality and undertook to integrate into existing work, including developing a documentation best practice and implementing a cohesive file structure
- Undertook independent research to construct a system of best practices from existing examples

### Lead Instructor

Remote

Code First Girls

February 2022 - Current

- Prepared and delivered instruction on basic programming concepts in python and SQL, to advanced programming concepts, including OOP, Algorithms, and API's
- Mentored groups to develop capstone projects