

Jack Griffiths

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EDUCATION

- **Keele University** Keele, UK
Masters of Research in Bioscience (Neuroscience); Grade: NA *Sep. 2024 – Sep. 2025*
- **Keele University** Keele, UK
Bachelor of Science in Neuroscience (Hons); Grade: 2:1 (65) *Sep. 2022 – Jun. 2024*

EXPERIENCE

- **Keele University** Keele, UK
Graduate Researcher *Jan 2025 - Present*
 - **Neural Tissue Culture:** Skills in NTC
 - **Microelectrode Arrays:** MEAs are good.
- **Mail Solutions Group** Telford, UK
Project Manager *Dec. 2018 - Sep. 2021*
 - **Notifications:** Service for sending email, push and in-app notifications. Involved in features such as delivery time optimization, tracking, queuing and A/B testing. Built an internal app to run batch campaigns for marketing etc.
 - **Nostos:** Bulk data processing and injection service from Hadoop to Cassandra and provides a thin REST layer on top for serving offline computed data online.
- **Capgemini - HMRC Aspire** Telford, UK
Software Engineer *Nov. 2015 - Sep. 2018*
 - **Portfolio Management:** Created models for portfolio hedging, portfolio optimization and price forecasting. Also creating a strategy backtesting engine used for simulating and backtesting strategies.
 - **QuantDesk:** Python backend for a web application used by hedge fund managers for portfolio management.
- **Capgemini - McDonald's Project** Telford, UK
Data Scientist *Nov. 2015 - Sep. 2018*
 - **Portfolio Management:** Created models for portfolio hedging, portfolio optimization and price forecasting. Also creating a strategy backtesting engine used for simulating and backtesting strategies.
 - **QuantDesk:** Python backend for a web application used by hedge fund managers for portfolio management.
- **Logicomm 2000** Cannock, UK
Computer Engineer *Sep. 2014 - Nov. 2015*
 - **Portfolio Management:** Created models for portfolio hedging, portfolio optimization and price forecasting. Also creating a strategy backtesting engine used for simulating and backtesting strategies.
 - **QuantDesk:** Python backend for a web application used by hedge fund managers for portfolio management.

PROJECTS

- **QuantSoftware Toolkit:** Open source python library for financial data analysis and machine learning for finance.
- **Github Visualization:** Data Visualization of Git Log data using D3 to analyze project trends over time.
- **Recommendation System:** Music and Movie recommender systems using collaborative filtering on public datasets.

PROGRAMMING SKILLS

- **Languages:** Python, Javascript, C++, SQL, Java
- **Technologies:** AWS, Play, React, Kafka, GCE