

# David Andrew George Mead

+44 7474147637 | davidmead014@gmail.com | [David Mead](#) | [LinkedIn](#) | [David Mead - Portfolio/CV](#)

## Education

### UNIVERSITY OF GLASGOW

Glasgow, Scotland

Integrated MEng Electronic & Software Engineering. GPA: On track for a 1<sup>st</sup> Class (18.33/22)

Sept 2021-June 2026

- Masters Project: **Low Power Digital IC Implementation Methodology Development for RISC-V Processor**
  - Scheduled to take place from July to December 2025 with the STFC scholarship program.
- Achievements:
  - **Engineering Excellence List Session 2023/24** - One of the top performing students in the engineering program.
  - **UKESF Scholarship** with the Science and Technology Facilities Council (STFC).
- Relevant Courses:
  - VLSI, Electronic System Design, Communication systems, Real-time computer systems, Machine Learning, Artificial Intelligence, Software Engineering Release Practises Computer Architecture & Operating systems.

### GEORGE WATSON'S COLLEGE

Edinburgh, Scotland

Qualifications: 3 Scottish Advanced Highers, 5 Scottish Highers\*, 8 National 5s. \*Advanced Highers in bold

2008-2021

- **Computer Science, Engineering Science, Physics**, Mathematics, Chemistry, Design & Manufacture, English & German

**Achievements & Extra-Curriculars:** Engineering Science Colours, Bronze DofE, Greenpower Racing Club, Upcycling Club

## Projects & Technical Skills

- **Programming:** Python, Java, C, C++, C#, JavaScript, HTML, CSS, TypeScript, Hydra (HDL in Haskell), React, Django
- **Tools:** Cadence, Office 365, Git, GitHub, Gitlab, SAS, OrCAD, PSpice, Power BI & Microsoft power platform, Unity
- **Lab Skills:** PCB Design, VLSI Design, Soldering, Oscilloscope analysis, Circuit Debugging

### Electrical and Electronics Engineering Year 4 Team Project

Collaborated with cross-functional teams to develop a real-time firefighter tracking system, enhancing safety. Designed and implemented a PyQt5 desktop app to process serial data from a custom device, enabling live location tracking. Worked with the Scottish Fire and Rescue Service (SFRS) and Thales consultants. Gained experience in GUI development, embedded systems, and serial communication, resulting in a successful prototype demonstration.

### Excel Add-on Developer for Banking Data Analysis

Developed an Excel add-on for analysing and explaining large banking spreadsheets, working closely with an external client. Utilised agile methodologies to create a user-friendly analysis tool using TypeScript and React, streamlining data interpretation and enhancing client decision-making.

## Experience

### GLASGOW UNIVERSITY SOFTWARE SERVICE – Software Engineer

(Remote) Part-time

Software solutions service for internal and external clients to the university

Oct 2024 - Present

- **Collaborating with a team of 2** to develop a proof of concept for the University of Glasgow's School of Engineering.
- **Designing a VR-based learning environment** using Unity and C# to simulate complex areas, such as clean rooms and integrating haptic glove technology to enhance immersive experiences.
- Focusing on innovative solutions to make hands-on learning more accessible and engaging for students.

### VIRGIN MONEY PLC – Technical Intern

(Hybrid) Glasgow, Scotland

Top 10 UK bank which provides financial services for personal and business customers

June 2024 – Sept 2024 (10 Weeks)

- **Agile Development:** Worked within the Marketing Analytics team, building **2 software solutions** through agile methodologies to streamline department workflows and **created a data dashboard with Power BI**.
- **Leave & Whereabouts Tracker:** Implemented a tracker using the Power Platform, **now actively used by a department of 40**, which improved scheduling and visibility.
- **Customer Behaviour Dashboard (Proactive Project):** Built a dashboard for customer and transaction behaviour analysis using SQL in SAS. Data visualisations and design elements from this project **were adopted by 10% of team members in the Strategic and Advanced analytics department**.
- **Work Request & Issue Tracker:** Collaborated with stakeholders to gather requirements and design a centralised work request portal. Created wireframes and developed an initial website that **combined 4 separate team portals into 1**.

## Leadership Experience

### UNDERBELLY LTD – Bar Stock Supervisor & Chargehand

Edinburgh, Scotland

Live events producer and venue operator in Edinburgh and London.

Aug 2022 – Sept 2022 & June 2023 – Sept 2023

- **Led and managed a team of 7** during the Edinburgh Fringe and Edinburgh University graduation period, **developing strong team management and leadership skills**.
- **Coordinated the daily collection and distribution of over 36 tons of stock per week across five sites**, requiring effective collaboration and communication with team members at each location.