Cameron Kilgore

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Profile

Computing Science graduate with a passion for technology and key strengths in analysis, relationship building and problem solving. I have proven experience in building successful team relationships and technical expertise in software development, HCI, and data analysis/manipulation, including machine learning. With commercial experience developed within Technical Operations, Program Management and Accountancy. I am confident in working independently, consistently delivering high-quality work, and am now seeking to develop my career within Technology.

Education

BSc First Class Honours in Computing Science, University of Glasgow **June 2024**

Programme is fully recognised by the British Computer Society and The Chartered Institute for IT. Studies include computer systems, databases, and human-computer interaction alongside areas of object-oriented software engineering, algorithms, computer networks, mobile/web application development and machine learning.

Technical Skills

Technologies: Git, Django, IoT, Arduino, Android SDK, ServiceNow
Languages, Frameworks & Libraries: Python, SQL , Java, C, JavaScript, React.js, C#, HTML/CSS
Method: Agile Development, Scrum, Test Driven Development, IT Service Level Management, Object Oriented Design, Application Design, ITIL, Machine Learning, Deep Learning, Computer Vision Analysis.

Professional Experience

Program Manager Intern, Amazon, London **June 2024 – November 2024**

Worked within the Relay Operations Centre within the Amazon Transportation Services Team on programs to automate current processes for transportation of goods. Tools used: SQL, QuickSight Dashboard creation, Processing Mechanisms created and planned among key stakeholders. Deployed Programs constructed within teams across organisation.

Quantitative Sector Lead, Glasgow University Trading and Investment Club Fund **February 2024 – June 2024**

Led the development of quantitative trading strategies by leveraging statistical models.
Provided training and guidance to Quant Analysts within the GUTIC Fund, including teaching quantitative analysis techniques, financial modelling, and Python for financial analysis.

Assistant Demonstrator, University of Glasgow **September 2023 – June 2024**

Main Programming language in courses: **Python**

- Introduction to Computational Thinking COMPSCI1016
- 1PX (Alternate Route) COMPSCI1017

Provided hands-on lab support, guiding students through exercises and troubleshooting programming issues.
Simplified complex programming concepts for students, enhancing their problem-solving and debugging skills.
Fostered a supportive learning environment, encouraging perseverance and innovation in computational thinking.

Technology Operations Intern, Student Loans Company, Glasgow **June - September 2023**

Worked with Teams: Service Management, Performance Reporting, Performance Improvement
Created reports on tech innovation and technologies used within the company, as well as weekly incidents using Power BI and Service Now. Main project was conducting reviews on the company's Service Level Agreement coverage, creating ServiceNow dashboards as part of the Service Management Team. In deep diving into the company's data, I managed to find key information about the reporting calculations and how the data needed to be filtered before population into charts.
Courses completed (Pluralsight): IT Governance Foundation, Azure Fundamentals Course, Microsoft Power BI Course

Sensing and Imaging ML Team project, CENSIS, University of Glasgow **September 2022 – March 2023**

Used Agile team organisation to deliver a product to CENSIS, a non-profit organisation specialising in sensing and imaging. The project consists of using machine learning algorithms to categories sounds from a microphone used in social housing to protect those living there. As Scrum master, led, trained, and coached the team in scrums. Assisted in writing the C and Arduino code for our ESP32 device, using libraries to configure the microphone and calculate FFTs from data taken from a microphone.

Tax Assistant, RSM, Edinburgh **August 2018 – December 2019**

Prepared tax returns and computations for individuals and trusts. Worked with companies in the preparation of their tax returns/computations as well as payment schedules. Conducted anti-money laundering inspections to determine risks involved in doing work for clients.
Completed Foundation Diplomas in Business Taxation and Personal Taxation (Association of Taxation Technicians)

Additional Interests

Music and Drama

I have been performing since the age of 6 and have been on stage as a principal performer as well as chorus member at some of Edinburgh's largest theatres. Taking part in theatre has developed my confidence in working with others and has also enhanced my ability to perform well under pressure, especially when singing to large audiences.

Machine Learning Public Speaking Coach (Dissertation Project)
Conducted research on using machine learning to rank public speeches based on audio features. (e.g. average pitch). Created a web application allowing users to record/upload their speeches for analysis, using Django, HTML/CSS with Bootstrap 5, and deployed on PythonAnywhere. Awarded an A3 (79-84%) grade for my project and started writing paper for conference.
Hackathon Wins
2022 and 2023: Consecutively won the GUTS Hackathon for Verint Systems.
2022: as part of a 5-person team, I created a Unity game in C# with the goal "creating a fun game that can be played by anyone."
Game final state live: Unity WebGL Player | PocketEarth (mathieson.dev)
2023: as part of a 3-person team, I developed a Unity game motivating eco-friendly lifestyle change.
On GitHub: GitHub - space928/CheeseRoundup: An exciting game with cheese
Working in a small team I won the Verint/CENSIS Secure futures for healthcare technologies: ideas hackathon. Implemented machine learning algorithms implemented in python to detect cyber-attacks using Wireshark.