Finlay Williams

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Award-winning Electrical Engineering graduate and Software Engineer at Microsoft with a proven track record in leading Agile teams, developing comprehensive test tools, and managing critical infrastructure. Seeking new opportunities to leverage my skills and experience.

RELEVANT EXPERIENCE

Software Engineer
September 2022 – Present

Microsoft

- Lead QA Tester and Release Owner: Ensured smooth product releases by identifying and resolving critical bugs, maintaining high-quality standards.
- Scrum Master: Organised and facilitated team meetings in an Agile environment, fostering an inclusive space for equal participation among engineers.
- Lead Test Tools Developer: Created a comprehensive suite of test tools using Python, ensuring product compliance with specifications.
- Infrastructure Owner: Managed internal GitLab and Artifactory deployments serving over 1,000 engineers, maintaining secure and smooth operations.
- Lead Tester for Production Features: Maintained code quality and oversaw testing of production features.
- C-Side Security Developer: Developed security features for products enhancing overall security, I worked closly with other teams to prevent bugs.

Software Engineering Intern
June 2021 – September 2021

IBM

- Partiapted in the extreme blue IBM internship leading a team of four over twelve weeks to build and deploy an experiance for the IBM museum.
- Worked closely with the museum curators to ensure I delivered an experiance that would be enjoyable for visitors and be easily maintainable for the curators.
- Created a unique augmented reality tour system for the museum running on the IBM cloud.
- The experiance was built using a Python Django website using custom Javascript to fasiltiate the augmented reality and a PostgreSQL database. The website had an integrated an IBM AI chatbot model using Node-RED.

FURTHER EXPERIENCE

Civil Engineering Intern
July 2020 – August 2020

Bechtel

- Worked closely with industry experts to create a value proposition for systems engineering.
- Gained experience in teamwork and research within a large company, working with teams in the US and India.
- Presented my findings to large groups concisely and efficiently.

Assistant Bar Manager
October 2018 – June 2021

St. Mary's College Bar

- Served customers, performed opening and closing duties including cash handling, and assisted the bar manager in scheduling, stock management and managing the team of 15 bar staff

EDUCATION

MEng Electrical Engineering (Distinction)   2018 –2022
Durham University

- Dissertation entitled "Optimisation of Wind Farm Power Production using Artificial Intelligence" (80%).
- Awarded the *IET Power Student Prize* for the best Electrical Engineer in Northumberland two years running.
- Awarded the *Vice-Chancellor's Scholarship for Academic Excellence* for being the best Engineer in Durham.
- Modules including: Optermisiation, Power Electonics, Computational Thinking, Electrical Energy Conversion and Renewable Energy Technologies.

A Level Mathematics, Physics, Chemistry and Product Design (A*A*A*A*)   2016 –2018
Colchester Royal Grammar School

10 GCSEs, including English and Mathematics (6A*)   2011 –2016
Tendring Technology College

SKILLS

- **Lanuages:** Python, C, Javascript, HTML, CSS, MATLAB®, Node-RED
- **Infrastructure:** Azure, GitLab, Artifactory, VSphere, VCloud, Openstack
- **Software:** Azure DevOps, Solidworks, Autodesk Inventor, LTSpice, MS Office, LaTeX

INTERESTS

- **Side Projects**
    - Built, tuned, and flown racing drones.
    - Designed and 3D printed grandfather clocks.
    - Designed, manufactured, and optimized mechanical keyboards.
- **Hiking**
    - Avid ultralight hiker and vlogger.
    - Hiked over 2000 km spending 120 nights under canvas.
- **Surfer, Kite Surfer and Snowboarder**

References on Request