

Finlay Williams

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Software Engineer at Microsoft, seeking new opportunities to leverage and expand my skillset. Proficient in Python, C, Javascript, Docker, Azure, GitLab, VMware, Terraform, and Linux.

RELEVANT EXPERIENCE

Software Engineer

September 2022 – present

Microsoft (Azure for Operators)

- Lead Python developer: created a comprehensive suite of test tools, ensuring performance was maintained at five nines
- C security developer: developed security enhancements for our flagship product, ensuring compliance with regulatory requirements
- Infrastructure manager: managed our Gitlab and Artifactory instances, serving over 1000 engineers
- Scrum master: facilitated Agile team meetings, fostering an inclusive environment to enable participation across the team
- Release owner: updated release processes and shipped our flagship product directly to customers
- Mentor: Trained a junior engineer, providing guidance on technical and career development
- Principal QA tester: led performance and bootstrap testing for our flagship product release, resolving multiple ship-stoppers
- Lead tester for product feature: designed and executed comprehensive test strategy for a new product feature, identifying multiple bugs and working with the developer to resolve them

Software Engineering Intern

June 2021 – September 2021

IBM Extreme Blue

- Led a team of four through the rigorous twelve-week IBM Extreme Blue Internship
- Deployed an immersive augmented reality website using the IBM cloud
- Worked directly with the client to gather the requirements and manage their expectations

EDUCATION

MEng Electrical Engineering (Distinction)

2018 – 2022

Durham University

- Dissertation entitled “Optimisation of Wind Farm Power Production using Artificial Intelligence” (80%)
- Two-time winner of the IET Power Student Prize, awarded to electrical engineers for outstanding academic performance
- Winner of the Vice-Chancellor’s Scholarship for Academic Excellence, awarded to the engineer with the best annual academic performance
- Modules including Optimisation, Power Electronics, Computational Thinking, Electrical Energy Conversion and Renewable Energy Technologies

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

9 GCSEs, including English and Mathematics (6A* 2A 1B) 2011 – 2016
Tendring Technology College

FURTHER EXPERIENCE

Civil Engineering Intern July 2020 – August 2020
Bechtel

- Worked with industry experts to create a value proposition for systems engineering
- Navigated the complexity of working on an international team to deliver high-quality research promptly
- Presented my findings to over 50 managers and senior staff

Bar Staff October 2018 – June 2021
St. Mary's College Bar

- Served customers, prepared drinks, performed opening and closing duties including cash handling, and trained new members of staff

SKILLS

- **Languages:** Python, C, Javascript, HTML, CSS, MATLAB®, Node-RED, Ruby on Rails
- **Infrastructure:** Azure, GitLab, Artifactory, Puppet, Terraform, PostgreSQL, VSphere, VCloud, Openstack, GitHub
- **Software:** Azure DevOps, Docker, Visual Studio Code, Solidworks, Autodesk Inventor, LTSpice, MS Office, L^AT_EX

INTERESTS

- **Personal Projects**
 - Built, tuned, and flown racing drones
 - Designed and 3D printed mechanical clocks
 - Designed, manufactured, and optimised mechanical keyboards
- **Hiking**
 - Avid ultralight hiker
 - Hiked over 2000 km spending 120 nights under canvas
- **Surfer, kite surfer and snowboarder**

References on Request