

# 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

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### 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

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### 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

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**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

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- **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<sup>A</sup>T<sub>E</sub>X

## INTERESTS

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- **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*