

ERIC MOYNIHAN

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Education

University College Cork

BSc Computer Science, 2018 – 2022

Year 1: 1st Class Honours; Year 2: 1st Class Honours

De La Salle College Macroom

Leaving Certificate, 2012 - 2018

7 Higher Level Subjects. Results: 2xH2 2xH3 2xH4 1xH5

Experience

Google, Intern

Jun 2020 – Sep 2020

- Part of the B2 Internal Edge Network Site Reliability Engineering team
- Worked on an open source project called gNxI (<https://github.com/google/gnxi>), a set of services used to provision network devices using an open vendor neutral specification :
 - Managed project workflow with co-intern by splitting up tasks between us using GitHub Issues
 - Stayed consistently ahead of schedule, allowing for stretch goals such as an Angular Web UI
 - Extended the mock target to implement the gNOI Factory Reset gNOI service
 - Created a client that implements the gNOI OS Service
 - Created an orchestrator to execute and validate tests on a gNOI and gNMI target with my co-intern
 - Increased test coverage in the repository by over 15%
 - Refactored the certificate management library to be more customisable and readable

- Made >45 Pull Requests to the repository
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University College Cork, Staff IT Service Desk

Jun 2019 – Present - Help Staff Part Time with issues regarding their PCs and officially supported software - Log cases using our Triage system and explain in detail issues that need to be expedited

University College Cork, Lab Demonstrator

Sep 2019 - May - 2020 - Demonstrated for 3 modules: Introduction to Programming , Systems Organization 1 and Computer Systems

Rock Bingo, General Staff

APR 2019 - SEP 2019 - Called numbers on stage in linked pongo, collected customers tickets and provided change

Activities

UCC Netsoc, Systems Administrator

2020 - Present

- Work on our core infrastructure as code service which enables us to provide free hosting to all UCC students
 - Created/contributed to products such as a Discord Bot, a website and a developer environment
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IBM Cork CoderDojo, CoderDojo Mentor

2014 - Present

- Mentored a full class for Advanced Web Development, teaching them backend and JavaScript frameworks.
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Some Of My Skills

Backend: Go, Python, Node JS, Java, MySQL, NoSQL, Firebase, Networking, Docker (Swarm) | **Frontend:** TypeScript, JavaScript, React, Angular, React Native, HTML5, CSS3 | **Productivity:** Git, GitHub, Ansible, Linux, Figma

Some of My Personal Projects

Stonks

<https://github.com/ericm/stonks> - Stonks is a terminal based stock visualizer and tracker that displays real time stocks in graph format in a terminal. Made in Go.

Yup

<https://github.com/ericm/yup> - Arch Linux AUR Helper with ncurses functionality and better searching and sorting. Made in Go.

Newlogic

<https://github.com/ericm/newlogic> - A Circuit Builder / Logic Design Desktop Application (like mmlogic) made with Electron + React Typescript. It's currently compatible with Windows, Mac and Linux. Made with TypeScript/Electron.

Py The Way

<https://github.com/py-the-way/py-the-way> - This project is a recommendation system that recommends where a user should live in the US using big data, python and pandas. It was originally made for a hackathon where it came first place.