

Christopher G. McIntyre

SOFTWARE ENGINEER ·

Sheffield, United Kingdom

✉ me@cgm McIntyre.com | 🏠 cgm McIntyre.com | 💻 cgm McIntyre | 🐦 @cgm McIntyre

Education

University of Sheffield

B.S. IN COMPUTER SCIENCE

Sheffield, UK

Sep. 2015 - Jul. 2018

- **2:1** degree classification
- **68.5%** average mark over all modules
- Thesis: *Large Scale Time-Series Data Handling*

Bournemouth School

GCE ADVANCED LEVEL

Bournemouth, UK

Sep. 2009 - Jul. 2011

- **A, A, B** in English Literature, ICT, Mathematics

Skills

Soft	Public speaking, teaching, team/project management
Programming	Ruby, Python, Bash, Golang, Rust, Elixir, JavaScript, C, C++, Java, Haskell
Tools	Linux, Git, Ansible, Docker, Kubernetes, OpenVSwitch, Junos, QEMU/KVM, Tmux, Vim
Languages	English, German (A1)

Experience

University of Sheffield, Department of Clinical Dentistry

SOFTWARE ENGINEER

Sheffield, UK

Mar. 2020 - PRESENT

- Automating provisioning and management of servers using puppet
- Working with Ruby on Rails to create a suite of program management applications for department
- Developing ruby-powered container deployment system

Ocado Technology

INFRASTRUCTURE ENGINEER

Hatfield, UK

Sep. 2018 - Mar. 2020

- Created tooling to manage monthly rollouts of new data centers.
- Designed and implemented YANG-based network configuration management application.
- Created CLI tool for creating virtual test environments to enable regression testing network topology/configuration.

Buzzbomb.io

BACKEND SOFTWARE ENGINEER (CONTRACT)

Sheffield, UK

Sep. 2017 - Feb. 2018

- Built backend for social media search engine powered by Elasticsearch.
- Designed, implemented, and documented Django REST API.
- Setup provisioning of production server using Ansible.

Codethink Ltd.

SOFTWARE ENGINEER (PLACEMENT)

Manchester, UK

Jun. 2017 - Sep. 2017

- Acted as lead developer on a small team developing internal Django app.
- Gathered requirements from across the business and produced a technical specification for the project.
- Leveraged docker-compose to automate setup of development environment.
- Worked on backend REST api as well as frontend Vue application.

Plusnet Plc.

STUDENT SOFTWARE ENGINEER (PLACEMENT)

Sheffield, UK

Jun. 2016 - Sep. 2016

- Worked as part of a team to build a Spring Boot app for managing software releases.
- Automated the collection of relevant data from: CGit, Jenkins, and Atlassian JIRA.
- Created a deployment pipeline using Docker and Jenkins.
- Built a RESTful API that could be called to interact with collected data.
- Designed the schema for the MySQL database and set up Flyway database versioning.

Extracurricular Activity

Code First Girls

PYTHON INSTRUCTOR

Sheffield, UK

Sep. 2017 - Jan. 2018

- Designed and ran classes to teach fundamentals of programming using Python.
- Participated in community outreach to encourage more diversity in the University of Sheffield's tech scene.

HackSheffield

CO-FOUNDER & LEAD ORGANIZER

Sheffield, UK

Feb. 2016 - Jul. 2018

- Worked with and lead a team of 6 to organise, run, and promote HackSheffield MLH hackathons.
- Reached out to companies and raised sponsorship funding for the first and second event.
- Helped to increase membership of the society from 0 to 250 members.
- Organised a trip for 8 people to compete in the HackUPC hackathon in Barcelona.

University of Sheffield Computer Science Society

FIRST YEAR REPRESENTATIVE

Sheffield, UK

Sep. 2015 - Jun. 2016

- Promoted Computer Science Society events to fellow first year students.
- Helped to organise and run the University of Sheffield's first Game Jam (a hackathon based around game development).
- Designed and ran 5 week 'Introduction to Linux' course for class of 20 students.