

# ANDREW CROZIER

## Backend & ML Software Engineer

@ wacrozier@gmail.com

📞 07595374142

🌐 acroz.dev

🔄 acroz

## EXPERIENCE

### Principal Software Engineer

#### Faculty Science Ltd

📅 2016 - Present

📍 London, UK

- Internal technical expert in Python and Scala
- Technical lead on teams of 6-8 people
- Joined via data science fellowship, progressing to senior member of engineering team
- Managed company engineer recruitment process
- Member of department performance review panel
- Delivered regular training on software engineering and distributed computing, and created internal knowledge sharing programme
- Member of company expert group on MLOps

### Postdoctoral Researcher

#### Medical University of Graz

📅 2014 - 2016

📍 Graz, Austria

- Complex data wrangling and computational modelling on HPC

## PROJECTS

### Novel Simulation Software

#### Faculty Science Ltd

- Tech lead of team implementing core simulation software for new product, built for massive scalability
- Work closely with product manager and other teams to identify and mitigate product and integration risks
- Responsible for the technical output of the team
- Support and upskill other engineers and data scientists on team
- Lead the introduction of new software design pattern inspired by video game development and using asynchronous programming

### Data Science Platform

#### Faculty Science Ltd

- Cloud-based development and deployment environment for data science
- Led design and build of multiple features, working closely with designers, product managers, engineers and users
- Developed backend microservices in Scala with Play Framework, Anorm, Akka and ScalaTest
- Build and deploy on Stackstorm, Gitlab CI and Kubernetes
- Infrastructure as code with CloudFormation, Helm, Ansible and custom Python tooling

## STRENGTHS



### Team Leader

Train, support and protect the time of colleagues on my team



### Value Proficiency

Strive to be a master of my craft and always improving



### Driven and Detail Focused

Always ensure a high quality of output from myself and others

## SKILLS

Python



Scala



SQL



Docker & Kubernetes



AWS & GCP



DevOps



Data Wrangling & ML



Product Development



Client Engagement



Management



Oral Presentation



## EDUCATION

### PhD Biomedical Engineering

#### King's College London

📅 2010 - 2014

Thesis: Personalised Electromechanical Modelling of Cardiac Resynchronisation Therapy

### MSci Applied Maths and Physics

#### Queen's University Belfast

📅 2006 - 2010

## HOBBIES

Brass band

Orchestra

Travel

Photography