

Freddy Heppell

Sheffield, UK

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Education

The University of Sheffield – MEng Computer Science

Sept 2018 – July 2022

Achieved equivalent of a first. Modules include *Algorithms and Data Structures*, *Java Programming*, *Devices and Networks*, *Automata and Complexity* and *Functional Programming*.

The Billericay School

Sept 2011 – July 2018

A-Levels: Computer Science A, Mathematics B, Further Mathematics

Extended Project Qualification

GCSEs including: Computer Science, German, Mathematics

Work Experience

Production Technician – Sheffield Students' Union

Sept 2019 –

Audio Engineer, Lighting Technician and Stage Manager for Students' Union productions. Developed full-stack web application to manage the Union's events process.

Website Manager – Basildon Natural History Society

Aug 2018 –

Web development for a small charity. Migrated website from a legacy content management system to WordPress. Responsible for maintaining Linux server infrastructure.

Activities & Experience

Web Development Instructor – Code First: Girls

Oct 2019 – Nov 2019

Taught an 8-week course to students whose degree does not include programming. Delivered sessions on HTML, CSS JS, Git and Bootstrap.

Mentor – Bash Festival of Code

August 2019

Mentored and assisted running a hackathon for young people aged 14-17.

Technology Officer – hackSheffield

May 2019 –

Developed new website for the society. Organised a 200-person hackathon in November 2019.

Global Engineering Challenge – The University of Sheffield

Jan 2019

Worked in a multidisciplinary team to develop a solution to assist communities in rural India with community-led money lending. Produced a detailed report discussing the feasibility, risks and costs of the solution.

Skills

- Programming languages: Java (with experience in Gradle and Maven), Kotlin, Python (including Flask), Ruby (including Sinatra), JavaScript (including Vue.js), Haskell, PHP (including Laravel)
- Tools: Git, LaTeX, Apache, Nginx, Redis, databases including MySQL and PostgreSQL, AWS tools including S3 and CloudFront, Docker, Jekyll, Webpack, Gulp
- Experience developing software in teams with Agile
- Linux server administration

References

Dr Joab Winkler

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Further references available on request.