Archie Wheeler

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Introduction

A Computer Science graduate from the University of Cambridge. Passionate about programming and keen to apply the skills I have developed throughout my degree towards solving real-world problems.

Competencies

Technical Skills

- Java
- C/C++
- Python
- JavaScript
- Git
- Unix

Relevant University Courses

Software and Security Engineering, Object-Oriented Programming, Algorithms and Data Structures, Databases, Concurrent and Distributed Systems, Further Java, Programming in C and C++, Unix Tools, Interaction Design, Further Human-Computer Interaction

Education

- BA (Hons), 2:1, Computer Science
  - University of Cambridge, July 2021

- A Levels: Maths (A*), Further Maths (A*), Computer Science (A*), Physics (A)
  - Oakham School, June 2018

Projects

Bus-route Maintenance (GitHub)

I developed a tool that allows editors of OpenStreetMap (a free, community-maintained map of the world) to efficiently maintain its bus routes. The tool processes data from the GPS trackers present in today's buses and computes the individual additions, deletions, and modifications required to make OpenStreetMap more accurate. Developing this tool provided me with valuable experience for planning a project and managing my time.

Technologies used: Java, Swing, Git

Remote Animal Recovery Monitoring (GitHub)

I worked as part of a small team with the Department of Veterinary Medicine to develop a mobile application for dog carers to monitor the progress of their dog's recovery post-surgery. This was a great experience of both working to develop a custom application for a professional client and cooperating with a team of fellow developers.

Technologies used: JavaScript, React, Redux, Git

Awards

Outstanding Computer Science Talk (Link)

My talk on Censorship Resistance Systems for the Churchill Computer Science Talks Series was awarded a certificate of distinguished achievement.

Computer Science Prize

I was awarded the Computer Science Prize for best A-Level Computer Science student at my school.