

PROFILE

A diligent and efficient worker who is always willing to learn. I enjoy using logic to overcome challenges. My technical ability allows me to clear tasks efficiently, while also ensuring that the end product is of high quality. My logical mind ensures that I can quickly reach a conclusion, and equally, creativity also contributes to my success. I have developed strong determination and a highly positive outlook. *References available on request.*

TECHNICAL SKILLS

- Ruby on Rails
- Docker, docker-compose
- Shell
- React/Redux
- Python
- Java, AWT/Swing
- C#
- HTML/CSS/JS, Bootstrap, jQuery
- ASP.NET MVC 5
- Most major operating systems

EDUCATION

UNIVERSITY OF SHEFFIELD | 2016-PRESENT

COMPUTER SCIENCE WITH A YEAR IN INDUSTRY, BSC

SECOND YEAR

- Advanced Programming Topics
- Human-Centered Systems Design
- Automata, Logic, & Computation
- Data-Driven Computing
- Bio-Inspired Computing
- Software Hut
- Engineering: You're Hired

FIRST YEAR

- Intro to Software Engineering
- Foundations of Computer Science
- Java Programming
- Machines and Intelligence
- Devices and Networks
- Web & Internet Technology
- Algorithms & Data Structures
- Global Engineering Challenge

A SELECTION OF COMPLETED PROJECTS

- Ruby on Rails application using the Monzo API to automate finance management
- Amazon Alexa skill, Discord bot, and website to categorise collectables in *Super Mario Odyssey*
- Amazon Alexa text adventure game engine with live web statistics (co-developed at GreatUniHack 2016)
- Online multiplayer in-browser *Bombberman* clone (co-developed at MLH Prime EU Regional)
- Connect 4 game operable by both CLI and GUI in Java
- Customisable remake of *Flood-It!* in Ruby (80%)
- Framework for fives-and-threes dominoes in Haskell with intelligent players
- Personal website, simon.fish, using Bootstrap 4
- Command-line interface for batch-downloading from smashcustommusic.com
- Proposal for a digital fire register and access control system (awarded Best Pitch for Funding during EYH)
- Proposal for a media centre for a developing country (co-developed in a multidisciplinary team during GEC)

BROOKE WESTON ACADEMY | 2014-2016

- Dist grade in Cambridge TEC Level 3 IT, A grade in A2 Maths, B grade in AS German and C grade in A2 Further Maths

CATMOSE COLLEGE | 2011-2014

- 4 A grades, 3 A grades and 2 B grades, plus BTEC Level 2 in Music at Dist

- Received a monetary reward and Academic Scholarship from the Principal for my contributions as Subject Ambassador for Computer Science

EXPERIENCE

UKCLOUD | JULY 2018-PRESENT

- Working on an identity and access management project backed by Red Hat SSO
- Proved concept for filtering list of groups by permissions and access policies
- Presented to ideas and concepts to development department on several occasions
- Maintaining and optimising a Bash script that seeds a Red Hat SSO instance with data
- Self-taught React/Redux

A14 INTEGRATED DELIVERY TEAM (COMPERTE LTD.) | 2017

- Learned to use the ASP.NET web framework and C# to build applications for the scheme
- Self-taught Ruby on Rails, which I later used to demonstrate and test concepts I would later port to ASP.NET systems
- Built an improvement to the existing observation form infrastructure across the stack
- Created a web-based form creator combining Bootstrap 4, jQuery and AJAX for a smooth user experience
- Designed and implemented an attractive survey platform to gauge feedback on Power BI dashboards
- Created and deployed a realtime dashboard to display incoming deliveries across site - I have continued to support this remotely

CODE FIRST: GIRLS | JAN 2018-PRESENT

- Assisting with teaching on two local Code First: Girls courses
- Teaching advanced Python and web development
- Have employed the use of a GitHub Organisation to assist in running the project
- Have become part of a national and global community

PERSONAL INTERESTS

- Enthusiasm for listening to and composing music with tools such as FL Studio
- Engaging with the news and current affairs
- Keeping fit through tennis, cycling and swimming

THE STAFF ROOM, ON BEHALF OF NINTENDO | OCT 2017

- Supported a nationwide sales push for *Super Mario Odyssey* on the weekend of its release
- Demonstrated and sold the game to consumers of a wide variety of ages, strengthening my social confidence

PERA TECHNOLOGY | 2013-2014

- Applied and improved programming skills in SQL and Python.
- Returned for six weeks of paid work following work experience, being the first to do so in the Central Management division's recent history
- Crafted an inexpensive surveillance solution for use in the company's laboratories
- Took part in the pitching process for a confidential project
- Received a rare monetary reward through Pera Technology's BRAVO! Scheme

CENTRAL ENGLAND CO-OPERATIVE | 2014-2016

- Worked primarily in grocery and on checkouts, requiring both physical diligence and situational communication
- Heavily increased confidence in social situations in this role
- Worked in positions of high responsibility, managing age-restricted goods such as petrol and tobacco, and was able to lead the team on several occasions

- Building and customising PCs
- Building projects with others at hackathon events and in the open source community
- Playing social board games and video games