

👤 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.



</> TECHNICAL SKILLS

I have a strong degree of experience in each of the following:

- Python with numpy/matplotlib
- Ruby with Shoes
- Java with AWT/Swing
- C#
- HTML/CSS/JS, Bootstrap, jQuery
- ASP.NET MVC 5 / Web Api 2
- Most major operating systems

🎓 EDUCATION

UNIVERSITY OF SHEFFIELD | 2016-PRESENT

COMPUTER SCIENCE WITH A YEAR IN INDUSTRY, BSC

SECOND YEAR My second year consists of the following modules so far:

- Advanced Programming Topics
- Human-Centered Systems Design
- Automata, Logic, & Computation
- Data-Driven Computing

FIRST YEAR My first year consisted of the following modules:

- 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

- Text adventure game engine controlled using Amazon Alexa-capable devices, with live web statistics (co-developed with a team at GreatUniHack 2016)
- Online multiplayer in-browser *Bombberman* clone (co-developed with a team at MLH Prime EU Regional)
- Customisable remake of *Flood-It!* in Ruby (80%)
- Framework for fives-and-threes dominoes in Haskell with intelligent players (95% for stage 1)
- Proposal for a media centre for a developing country (co-developed in a multidisciplinary team during Global Engineering Challenge week)
- Connect 4 game operable by both CLI and GUI in Java
- Personal website, simon.fish, using Bootstrap 4
- Command-line interface for batch-downloading from smashcustommusic.com

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

WORK EXPERIENCE

THE STAFF ROOM, ON BEHALF OF NINTENDO | OCT 2017

On the weekend of its release, I supported a nationwide sales push by Nintendo under The Staff Room at my local Smyth's store. This involved demonstrating the game to customers of all ages and selling the concept of the Nintendo Switch. This was a successful and enjoyable experience that heightened my social confidence.

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

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

PERSONAL INTERESTS

- Enthusiasm for listening to and composing music with tools such as FL Studio
- Engaging with the news and current affairs
- Casual sports such as tennis and swimming
- Building and customising PCs
- Building projects with others at hackathon events and in the open source community
- Playing social board games and video games

References available on request.