

Jake Bailey-Saltmarsh

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PERSONAL PROFILE STATEMENT

I am a determined, motivated and confident university student who enjoys learning about computer science and its increasingly relevant applications to daily life. I am most proud of when I was contracted to create web app and backend service to aid in the testing and discovery of people with coronavirus at the beginning of the pandemic. I am happy to work individually but also work effectively in a team. I can be relied upon and take great responsibility for any work I am a part of.

WORK EXPERIENCE

Tutor, Tutorfair

(March 2020 – Ongoing)

Working one on one with students of all abilities to help them learn how to overcome their weaknesses

Responsibilities included:

- Teaching A Level maths and computer science
- Creating and improving lesson plans
- Building rapport with students in one on one sessions

Full Stack Developer, Medical Practice

(April 2020 – June 2020)

Creating a website and setting up server to facilitate Node.js website with EJS and Bootstrap

Responsibilities included:

- Building front end survey style website with templating and custom CSS
- Building back end with API and database integration with mongoDB
- Administration of Google Cloud Platform services to host web servers

Ride Attendant, Crocky Trail Theme Park

(June 2018 – January 2020)

Ensuring the safety of the public on a wide variety of theme park rides

Responsibilities included:

- Providing customer service by guiding and informing customers
- Ensure the safety of large groups of the public
- Sole responsibility for half of the park

System Engineer, Crocky Trail Theme Park

(August 2019 – November 2019)

Four months developing custom embedded AI system for local theme park

Responsibilities included:

- Identifying compact and compatible solution
- Use of embedded platform Jetson NANO
- To design, create and train object classifier
- To ensure compatibility of solutions with existing hardware

System Engineer, AJSDyno Kart Engine Performance Diagnostics

(August 2017 – August 2018)

A year of ongoing development for custom embedded solution

Responsibilities included:

- Systems analysis of required components
- Focusing on low latency and performance optimisations
- Creating easy-to-use and intuitive UI
- C++ coding of Arduino as Embedded System

IT Support Technician, Shell HP Partnership

(June 2017)

Two Weeks in IT department at Shell North West Headquarters

Responsibilities included:

- Dismantling and fixing hardware
- Supporting whole site via support tickets
- Carrying out software (Office 365) fixes

EDUCATION

University of Leeds (September 2020 – Present):

Degree: Computer Science BSc (Year 1 - 1:1 (87%), Year 2 - 1:1 (prediction), Year 3 - 1:1 (prediction))

Sir John Deanes Sixth Form College (September 2018 – June 2020):

A Levels: Computer Science (A*), Mathematics (A*), Further Mathematics (A)

AS Levels: Further Mathematics (A)

Awards: Academic Excellence in Computer Science

Tarporley High School (September 2013 – June 2018):

GCSEs: Biology (9), Chemistry (7), Computer Science (8), Electronics (A*), English Literature & Language (8, 7), Geography (7), Mathematics (9), Physics (9)

Qualifications: ECDL (Distinction*) and CiDA (A*)

Academic Achievement Awards: Computer Science, I.T., Maths, Physics

HOBBIES AND INTERESTS

I am passionate about creating software, in my spare time I have created self-driving robots, LCD control modules and web enabled weather station which all run using the Arduino platform. I have created two games with Unity and released an early alpha version on itch.io. I have taught myself how to program in C++, C#, Python, JavaScript, VB.Net and HTML. Through this, I became more organized, independent, and autonomous.

Since age 11, I have been karting at a national level. I started in 7hp karts in NATSka, eventually working my way up to 29hp karts at age 15. At age 17, I won the National Sprint Finals in Rotax Max Jnr. Upon joining university, I have continued to race in BUKC and have been selected to represent Team A for the University of Leeds. This has taught me the significance of being competitive, determined, perceptive and responsible.

I have completed the Bronze, Silver and Gold Duke of Edinburgh. Once by walking and twice by canoeing. These were eye opening experiences that educated me on how to deal with a multitude of difficult and challenging situations. Throughout these experiences, I learnt the importance of resilience, determination, teamwork, and a strong work ethic.

Since the age of 6 I have been a member of the Scout Association. To continue to support my troop in the Cub Scouts section, I chose to complete the Young Leader Qualification. I have also achieved the most respected award at each level of scouting, both locally and nationally.