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**Skills Summary**

Recently finished Year 13, completing A Levels in Maths, Computer Science and Product Design. I enjoyed my chosen subjects very much which has reinforced my decisions regarding my next step. I enjoy working as part of a team, I am a reliable, trustworthy, loyal and a conscientious person who is eager to develop further skills. I now hold a Working Holiday Visa and am excited about the opportunity to work in Canada to gain valuable international experience and enhance my career prospects.

**Particular areas of interest**

Data and analytics are a keen interest of mine, I find the reading, understanding and application of statistical data intriguing and it can be used in many different ways to support business decisions. Statistics is 30% of the A level Mathematics course I studied and my experience at Hoopers has shown me how relevant and important this is in a business world, with opportunities that can be achieved as a result from correct interpretation of data. I also studied Computer Science at A Level and feel that this will support my future career due to how important and essential that computer systems have become in many industries today. The skills I have and continue to gain, support the fundamentals in business and I have secured an enhanced understanding of systems, programs and software which, in an ever changing world of business, with an increasing volume of global interactions, understanding the advances in technology are paramount enabling efficiency and accuracy together and being ready to use improved ways of working.

During my studies, I completed a Product Design A-Level NEA (Non-Examined Assessment). This involved the design, development, modelling and manufacturing of a product with minimum assistance, only being able to use tools available in a school workshop and having to design a product to a client's specifications. For my project, I built a wall hanging storage unit which utilised smart technology to control LEDs in the unit by reacting to motion and items being placed in the storage unit. This allowed the LEDs to be controlled by the user and to use different colours to show if areas of the storage unit were in use. I very much enjoyed this project, in which I learned and improved many skills such as being able to analyse feedback efficiently and effectively, being able to adapt in a busy environment. During this project, I used 2D and 3D design software (Techsoft 2D Design and SolidWorks) to design and model my product throughout all stages of development. During this I became proficient in both software packages which helped me to improve and complete my project to the best of my ability.

Throughout my Computing A-Level, I became familiar with Python. This was the main Object Orientated programming language used throughout my A-Levels. I am now experienced in Python and currently expanding my skills by learning C++ to broaden my expertise, I am adept at initiating and managing projects from concept to completion. A notable project includes a complex ray casting algorithm, where I demonstrated initiative, research skills, and problem-solving abilities to create a final product that was developed to standard far beyond my Coursework Specifications. I thrive on overcoming technical challenges and continuously improving my programming skills.

My A-level studies in Maths, Computer Science, and Product Design have equipped me with a diverse range of skills, from technical proficiency and analytical abilities to project management and adaptability. These experiences have not only strengthened my foundation in key areas such as programming and data analysis but have also prepared me to tackle challenges in an ever-evolving business landscape. I am confident that these skills will support my future endeavours and enable me to contribute effectively to any team or project.

# Education

## Bennett Memorial School, Tunbridge Wells 2017 to 2024.

**A Level results** (exams sat in summer 2024)

Maths E

Computer Science C

Product Design B

**Qualifications: GCSE’s awarded in Summer 2022**

Maths Grade 7

English Language Grade 8

English Literature Grade 7

History Grade 8

Computer Science Grade 5

Design & Technology Grade 8

Religious Studies Grade 7

Chemistry Grade 6

Physics Grade 6

German Grade 3

**Experience**

**3D Python Raycasting Project – A-Level Coursework**

For my computing A-level coursework, I developed a raycasting project using Python and the Pygame library. Initially, it started as a basic raycasting environment, but I expanded its capabilities by incorporating sprites, randomly generated maps, and interactive map areas. This project earned me nearly full marks. The coursework involved iterative development and comprehensive research, followed by rigorous testing plans and procedures to identify technical errors and potential improvements. Throughout the development process, I continually researched, documented and tested my code, ensuring I delivered my coursework to the highest possible standard.

*GitHub repository: https://github.com/Brown1ie/Python-Raycast*

*Coursework documentation: https://docs.google.com/document/d/10s5nPzDT7BTaLAKKuZecQqhRJ1ShbI-v/edit?usp=sharing&ouid=114016919117728992637&rtpof=true&sd=true*

**Administration Assistant at Hoopers Department Store, Tunbridge Wells, April 2023 to present.**

Working on a Saturday at Hoopers has helped me develop my confidence in a working environment. My role as Administration Assistant supports the main cash office and customer service department in the store. I work with a small team of people and my duties include:

* Banking/cash reconciliation
* Answering the main switchboard and directing calls appropriately
* Supporting the sales floor with change required for tills
* Opening and processing customer accounts
* Producing daily sales and cash analysis reports and emailing them to the management team.
* Stocktaking

**References available upon request**