

Oliver Brown

Second Year Computer Science student at the University of Warwick

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EXPERIENCE

Funtech, London — Tech Tutor

July 2023 - September 2023

- Took a lead in teaching young learners Python programming, including OOP and Tkinter
- Delivered informative presentations to students, which I linked to each student's hobbies and interests to keep them engaged with the Python course

J.P. Morgan — Forage Virtual Work Experience

September 2023

- Completed a virtual course on Forage for J.P. Morgan, where I was tasked with fixing repository files for client web applications
- By using J.P. Morgan Chase's open source library Perspective, I designed visually appealing graphs for traders to be able to analyse stock data efficiently, which enhanced the user experience

EDUCATION

University of Warwick — Computer Science BSc

September 2022 - Present

Achieved a 2:1 in my first year. The key modules I am taking this year are Software Engineering, Algorithms, Database Systems and Artificial Intelligence

Dartford Grammar School — IB Diploma

September 2020 - May 2022

Scored 43 out of 45 points - Achieved a 7 in all of my higher level subjects: Physics, Mathematics and Computer Science.

PROJECTS

Portfolio Website

- Constructed a minimalistic user interface for a personal portfolio website with interactive features by customising the CSS, HTML and JavaScript of a Bootstrap template
- The website is hosted through GitHub pages, which is based from a repo that I manage

Connect 4 AI using Minimax Algorithm

- As part of my coursework at University, I successfully developed an AI to play Connect 4 optimally against another optimal player
- Implemented a Minimax algorithm with Alpha/Beta pruning, and optimised this using specific move ordering to maximise node pruning, in order to maximise the performance of the Minimax algorithm

News Sentiment Analysis Program

- Developed a Python program that scrapes news articles about any company, implemented using NewsAPI, and using a machine learning model created using Pytorch and Transformers by Hugging Face, was able to provide Sentiment Analysis of a news story
- This program provides users with an accurate prediction of how stock will perform based on recent news articles

LINKS

Portfolio Website:

www.oliverb.live

LinkedIn:

<https://www.linkedin.com/in/oliver-brown-53067a25b/>

Github:

<https://www.github.com/oliverbrown1>

SKILLS

- Java
- Python
- C
- HTML, CSS, JavaScript
- Flask, Bootstrap
- SQL, PostgreSQL, MySQL
- Github, Git
- Object-Oriented Programming

LANGUAGES

- English (fluent)
- Japanese (intermediate)