Oliver Brown

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A hard-working and dynamic university student proficient in Java, Python and C, passionate about software development and creating software solutions to real world problems. Currently seeking a software engineering internship for this Summer 2024.

EDUCATION

University of Warwick,   **Coventry**
Computer Science BSc   *September 2022–Present*

Achieved a 2:1 in my first year. Currently in my second year, the key modules I am taking are Software Engineering, Algorithms, Database Systems, Artificial Intelligence and Algorithmic Graph Theory.

Dartford Grammar School   **Dartford, London**
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.

EXPERIENCE

Funtech - Tech Tutor   **London**
                                      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 Software Engineer   *September 2023*
- Completed a virtual course on Forage for J.P. Morgan, where I was tasked with fixing repository files for client web applications.
- Designed visually appealing stock data and analysis graphs for traders, by utilising J.P. Morgan Chase's open source library perspective to enhance the user experience

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.
- Hosted the website through GitHub pages, which is based from a repo that I manage.

Task Managing Web Application using Next.js
- Developed a comprehensive full-stack React-based web application built using Next.js and PocketBase to support backend storage of user data. This productivity web application stores a list of given tasks and their descriptions, which are stored in a PocketBase database.
- Integrated a customisable user-initiated timer to allow users to start their tasks utilising a Pomodoro-like time management technique to complete tasks in set time intervals or at their own pace.

News Sentiment Analysis Program
- Developed a Python program utilizing NewsAPI and newspaper3k to scrape news articles about any company. Constructed a PyTorch-based ML model mounted on a pre-trained model from the Transformers by Hugging Face library to provide Sentiment Analysis on financial news stories.
- Facilitates users with accurate predictions of stock performance based on recent news articles. Based on rigorous test data, it was calculated to be over 92% accurate in determining the correct sentiment label for financial news stories.

SKILLS

- Languages: Java, Python, C, SQL
- Web Development: HTML, CSS, JavaScript
- Web Frameworks: React, Next.js, Bootstrap, Flask
- Object-Oriented Programming
- Git, Github

LANGUAGES

- English (native)
- Japanese (intermediate)