Iman Jimoh

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Personal Statement

Predicted A* student, with a lifelong passion for technology, shown via creating an autonomous robot at the age of 13, joined competitions and made tutorials, amassing **5000+ views** (www.instructables.com/member/ImanJimoh/). I have hands-on experience developing mostly fullstack websites with NextJS, utilising other cloud (AWS / Firebase) and AI platforms/frameworks (Langchain/Pinecone).

Education - Hill House School (2016 - 2025)

GCSE: 9,9,9,9,9,8,8,8,8
A-level UCAS predicted grades: **A*, A*, A*, A*** - Computer Science, Maths, Further Maths and Physics

Experience

Work Experience - PSP IT Software Development Solutions - April 2024 - *(reference available upon request)*
- Created automated mail system processing **1000+** emails in **C#** using the **.NET** framework
  - Extracted emails from a remote **SQL** server, formatted and sent them via a **SMTP** service, and updated the database to reflect the changes, following the **ACID** principles for data integrity
- Developing a REST Web API using **ASP.NET CORE** to manage a remote **SQL** database
- Briefed on how scalable projects are managed and deployed with **Microsoft Azure DevOps**
- Attended board meetings to learn and understand the workflow of how projects are coordinated, and how tasks are delegated for maximum efficiency for an agile software development methodology

Software Engineering Fellowship - Headstarter AI - July 2024 - September 2024
- Built and deployed 5 **full-stack** AI applications with a team, leveraging **CI/CD** processes along with modern cloud (**AWS**), AI (**OpenAI/Langchain/Pinecone**), and web development technologies (**NextJS**), abiding by **strict deadlines**.
- Participated in weekly hackathons in a **team environment**
- Data structures and algorithms practice, alongside interview preparation to build upon skills
- Weekly meetings with **FAANG** employees to gain insight and preparation for the career of a software engineer
- Consistent use of **Github**, for collaborating on code within a team - managing and fixing any conflicts in pull requests

Five Projects for Headstarter AI
- **Pantry Tracker** website to monitor and manage inventory remotely
- Bespoke Customer Support **AI chatbot** with a **RAG** pipeline, for personalised responses
- AI Flashcard revision website - students can dynamically create flashcards to revise from which can be stored on their user profile
- AI Rate My Professor website for students to find personalised recommendations of professors, which web scraped data is fed through a **RAG** pipeline for the recommendation system
- **AI mechanic** which scrapes details about your vehicle, alongside vehicle Recall information, and provides predictive maintenance support
Languages / frameworks / platforms utilised: **NextJS**, **Google Fiirebase**, **Amazon AWS**, **OpenAI**, **Langchain**, **Pinecone**, **Puppeteer**

Other Projects

- StudyEngine - AI powered all in one revision platform for students - AI flashcard and quiz generator, AI teacher assistant for personalised homework support, and a revision scheduler : **NextJS, Google Firebase, Clerk, OpenAI, Amazon AWS**
- Fully automated "Homework Completer" bot for the platform *Memrise* using web scraping techniques - made in **Python**, using **Selenium** to webscrape homework tasks, and answer all the questions correctly
- Voice assistant using **Python** to assist in basic tasks to speed up workflow and productivity for personal use

Programming languages / Softwares

Languages / scripting: **Python**, **Javascript**, **C#, HTML**, **CSS**, **SQL**
Frameworks: **NextJS**, **React**, **Flask**, **.NET**
Platforms: GitHub (**Git**), **Google Firebase**, **Amazon AWS, OpenAI**