Aimee Ha

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PERSONAL STATEMENT

I am a Master's student in Computer Science with a focus on AI, set to graduate in 2026 from the University of York. With two years of technical experience in Python, TypeScript, and React.js, coupled with a strong foundation in analytical and problem-solving skills, I am driven to deliver innovative, high-impact solutions that make a meaningful difference.

EDUCATION

MSc in Computer Science with Artificial Intelligence   Mar 2024 - Expected Mar 2026
University of York   *Part-time Study*
- Key modules: Advanced Programming, Applied AI, AI & Machine Learning, Big Data Analytics.
- Coursework:
  * Built a Machine Learning model to predict child mortality using global nutrition data for an NGO's grant application.

Front-End Developer & Back-End Developer Professional Certificates   Apr 2023 - Oct 2023
Meta
- Key modules: Software Development Life Cycle, Principles of UX/UI Design, Databases, APIs, Advanced React.

Harvard CS50's Computer Science Courses   Jun 2022 - Jan 2023
Harvard University
- Key modules: Algorithms & Data Structures, Encapsulation, Resource Management, Security, Web Development.

TECHNICAL SKILLS

Languages & Frameworks: Python, Typescript, Javascript, Java, React.js, Django REST, Next.js, Tailwind CSS.

Databases, Libraries & Tools: MySQL, MongoDB, Pandas, NumPy, Scikit-learn, Material UI, Git.

PROJECTS

TLDW - Too Long, Didn't Watch | *Python, Next.js, React, Typescript, MongoDB, Git, Kubernetes*   tldw.pro
- Collaborated with a senior software engineer to develop a YouTube video summarisation tool to save users 98% viewing time by generating summary of a 15-minute video within 20 seconds using open-source LLMs and OpenAI.
- Led the web application development for the solution using Next.js, integrating Clerk API for user authentication & management and Stripe for subscription payments.

Itinerary Genie | *React, Typescript, Node.js, Tailwind CSS, MongoDB, Git*   travel.aimeeha.dev
- Developed and deployed a user-friendly itinerary planning application from a Figma design to tailor trip itineraries to individual preferences based on destination, length of stay, and preferred activities inputs.
- Leveraged OpenAI API for itinerary generation and Google Calendar API to make trip activities more accessible.

Brainy Cards | *Python, Django REST, SQLite, React, Typescript, HTML/CSS, Git*   flashcard.aimeeha.dev
- Created and maintained a secure flashcard platform, implementing robust authentication and password management, to enhance users' learning experience, allowing flexible flashcard creation through manual input or CSV uploads.
- Utilised Django serializers with Django ORM to efficiently create, query, and manage data, enabling easy retrieval and management of flashcard sets and individual flashcards.

EXPERIENCE

Management Accountant   May 2019 - Apr 2023
Stuart Delivery Ltd.   *London, UK*
- Collaborated with a Data Analyst to create Python scripts for querying delivery data across multiple .CSV files to fulfill client inquiries, eliminating the previous manual procedure.
- Implemented automated Excel files to reduce Stuart's booking preparation time during month-end closes, most notably for payroll reconciliation by approximately 87.5%, from two hours to fifteen minutes.
- Analysed large delivery datasets of over 1 million deliveries weekly using pivot tables to resolve challenges from the Finance team of the diamond-tier client, securing incremental weekly payments from 3.7 million GBP in 2020 to over 8.2 million GBP within the following two years (89.7% to 95.6% of total revenue).

REFERENCES

Available upon request.