AIMEE HA

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PERSONAL PROFILE

I am pursuing a Master's in Computer Science with a focus on Artificial Intelligence at the University of York, while actively preparing for a full-time career in software engineering. My technical skills have been enhanced through diverse coding projects and participation in targeted Skills Bootcamp training.

With my previous four years of experience as a Management Accountant at Stuart Delivery Ltd., I also bring strong analytical, communication, and problem-solving skills, making me a valuable asset to a software development team.

PROJECTS

TLDW - Too Long, Didn't Watch ([tldw.pro](#))   *Youtube Videos Summary Application*

- Collaborated with a senior software engineer to create a YouTube video summarisation tool using LangChain. This project offered users a 98% time saving, allowing them to access the summary for a 15-minute video within only 20 seconds.

- Led the web application development using Next.js, integrating cutting-edge technologies including open-source LLMs and OpenAI, enabling TLDW to generate highly accurate summaries and detailed breakdowns of requested YouTube videos.

- Implemented a continuous development process with regular code reviews on GitHub pull requests, ensuring ongoing improvement of the application's code quality.

- Tech Stack: Python, Next.js, React, Typescript, MongoDB, Tailwind CSS, Git, Kubernetes.

Itinerary Genie ([travel.aimeeha.dev](#))   *AI-generated Travel Itinerary Application*

- Developed and deployed a user-friendly itinerary planning application from a Figma design to address the challenge of creating personalised travel plans. The application tailored trip itineraries to individual preferences based on destination, length of stay, and preferred activities inputs.

- Leveraged OpenAI API for detailed itineraries generation and Google Calendar API to make trip activities more accessible to travellers.

- Tech Stack: React, Typescript, Node.js, Tailwind CSS, MongoDB, Git.

Brainy Cards ([flashcard.aimeeha.dev](#))   *Interactive Flashcard Web Application*

- Created a flashcard platform to enhance users' learning experience with flexible flashcard set creation options (manual input & CSV uploads) and a robust study library.

- Designed an interactive interface featuring a popular set carousel for easy navigation and targeted search functionality for focused study sessions. Prioritised user data security by implementing robust authentication and password management practices.

- Tech Stack: Python, Django REST Framework, React, Typescript, Git.

KEY SKILLS

Languages: Python, Typescript, Java.

Frameworks: React, Next.js, Django REST, Tailwind CSS.

Databases: MySQL, MongoDB.

Transferable Skills:

- Problem-solving
  - Implemented automated Excel files to reduce Stuart's booking preparation time during month-end close. Most notably, saved payroll reconciliation time by approximately 87.5%, from two hours to fifteen minutes.

- Fostered a collaborative relationship with Stuart's top diamond client's Finance team, identified and resolved their challenges to secure 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).

- Analytical thinking

  - Analysed massive weekly delivery datasets (over 1 million deliveries) using pivot tables, identifying and resolving inconsistencies, ensuring the accuracy and reliability of Stuart Delivery Ltd.'s revenue reports.

  - Designed efficient database schemas for data storage and retrieval of Brainy Cards, optimising data integrity and functionality. Conducted rigorous testing (including resolving casting errors) to guarantee data quality.

- Technical communication

  - Documented the first step-by-step, comprehensive guide for Stuart's new expense platform (Spendesk), improving employee onboarding and boosting system efficiency.

  - Presented and explained monthly commission report calculations to Operations and Strategic Departments on behalf of Stuart's UK Finance team, facilitating understanding and alignment across departments.

- Collaboration and Teamwork

  - Mentored two new accountants at Stuart, delivering comprehensive training on processes and systems, ensuring their seamless integration into the team within the final 4 months at Stuart.

  - Served as the primary contact for Stuart UK's Expensify and Spendesk systems, proactively supporting and resolving queries for colleagues across departments.

- Proactive learning and Adaptability

  - Learned new technologies (such as AI prompts, MongoDB, & Node.js) independently, to build personal projects (e.g., Itinerary Genie).

  - Embraced Coupa, Stuart's new vendor management platform, by proactively participating in procurement workshops and ensuring prompt completion of UK pre-launch testing.

EDUCATION

MSc in Computer Science with Artificial Intelligence   Mar 2024 - Expected 2026
University of York

- Key modules: Algorithms & Data Structures, Computer Networking, Artificial Intelligence & Machine Learning.

Skills Bootcamp in Software Development   Feb 2024 - May 2024
The Skills Network

Meta Front-End Developer & Back-End Developer Professional Certificates   May 2023 - Oct 2023
Meta

Harvard CS50's Computer Science Courses   Jun 2022 - Jan 2023
Harvard University

- Introduction to Computer Science, Web Programming with Python and JavaScript.

MSc in Behavioural Finance   Sep 2017 - Dec 2018
Queen Mary, University of London   *Grade: Distinction*

PREVIOUS EXPERIENCE

Management Accountant   May 2019 - Apr 2023
Stuart Delivery Ltd.   *London, England*

REFERENCES

Available upon request.