Aaron J. Chan

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Software Engineer | Full-stack | Frontend Design | Product Architect

Profile:

A product-first, team-playing developer with a strong focus on client & stakeholder engagement - I'm a software engineer that enjoys dealing with the meta aspects of projects and bring maximum value to the whole team - including systems architecture, design, management, development: I'm always ready to learn new skills.

Education:

- **BSc Computer Science**
  University of Bristol   *Sep 2021 - Present*
  Expected graduation: June 2024, with average GPA: 3.7 (Upper Second-Class Honours)
  Relevant Modules: Machine Learning, Computer Graphics, Artificial Intelligence, Software Engineering Project.

- **Advanced Levels (A-Levels)**
  Bosworth Independent College   *Sep 2019 - Jun 2021*
  Achieved A*A*A* in Computer Science, Mathematics, Further Mathematics

Work Experience:

Co-founder & Software Engineer   *Jun 2023 - Present*
RecallAI (Prelaunch):
- Designed user interface for product and architected cloud infrastructure.
- Engineered product to conform with industry standard practices and services.
- Solved rapidly changing requirements and problems in order to minimise technical debt and implement cleaner design patterns

Teaching Assistant (Graduate Level 2 Teacher)   *Sep 2022 - Present*
University of Bristol:
- Mentored a group of 5 students to develop and deliver a project to a real client.
- Responsibilities include technical support, team management, project management.
- Other responsibilities include helping in labs to answer questions about the taught content, receiving positive feedback from students.

Projects:

● Technical skills   ● Soft skills

Dataset analysis 🔗   *Oct 2023 - Nov 2023*
I conducted data analysis on 3 public datasets using various machine learning techniques to find patterns and explanative results for observed data, writing a report on findings. Achieved First class grade.

Skills:
Python NumPy Scikit-Learn Pandas Hidden Markov Models PyMC Statistical Analysis Critical Analysis

3D Raytracer 🔗   *Oct 2023 - Nov 2023*
I implemented a 3D renderer from scratch that demonstrates range of different types of rendering & lighting techniques using vector maths concepts. Achieved First class grade.

Skills:
C++ 14 Object Oriented Programming Multithreading GLM Time Management Pressure Management

Panderer 🔗   *Jun 2023 - July 2023*
I've constructed a real time web app to track approval rating for live streamers like stock prices, using Firebase to host, serve and manage infrastructure.

Skills:
React TypeScript Firebase Google Cloud Node.js Vite Clerk Continuous Learning

VetDB
Sep 2022 - May 2023

I managed a team, designed and built a full stack app in group coursework to easily manage all vet student placements for the Bristol Veterinary School, migrating from legacy system. Achieved First class by delivering client satisfaction.

Skills:

MERN stack   Kanban   Agile methodology   Team orchestration   Client communication   Adaptability   Problem solving

Leadership roles:

Lead Product Architect for RecallAI
Jun 2023 - Present
- Guided the design and implementation of the UI and overall product system architecture.
- Reported directly to the CEO, but with autonomy to execute enhancements to the product as I see fit.

Division Co-Head of Derivatives at Bristol Trading Society
Jun 2023 - Present
- Led a team of 10 analysts to manage a $1m virtual portfolio, discussing trades, analysing economic events and learning about markets.
- Delivered a 19% ROI on this portfolio using a various option strategies, and long/short stock methods.

Project Manager for VetDB
Sep 2022 - May 2023
- Became the de facto project consultant & manager, leading a team of 4 members for the VetDB project
- Oversaw the entire project life cycle, from client meetings, product designing, engineering and deployment.

Extra-curricular & Interests:

Figma UI Designer 🔗
Utilised my skills to create visually appealing and user friendly interfaces for web applications in Figma. Used MUI toolkit to build sleek and familiar looking mock-ups and prototypes. This CV was designed and built using HTML and CSS.

Active investor & home portfolio manager
Engaged in personal investment and trading activities, researching and exploring market opportunities. Managed a home portfolio, monitoring investments and making informed decisions to maximise returns.
Delivered a 36% return between May 2023 and July 2023.

Crowwd.io market analyst 🔗
Researched and published articles about market activities and economic events during the trading week. This includes events such as inflation data, central bank monetary policy and general macroeconomic news.
Acquired regular readers favouring my market analysis.

Pottery Enthusiast
I took part in throwing pottery on the wheel as extra-curricular activity, honing clay shaping, glazing techniques and kiln operation.
Developed precision appreciation and attention to detail.
Successfully taught 1 fellow student to independently throw pottery and infuse passion in art pieces.

Languages:

- **English**
  Proficiency level: Native speaker
- **Chinese (Cantonese)**
  Proficiency level: Conversation level