

# Edmond Tam Han Wen

E: [edmondtam2@gmail.com](mailto:edmondtam2@gmail.com) | G: [github.com/edmondtam1](https://github.com/edmondtam1) | W: [edmondtam.com](https://edmondtam.com)

Summary: Software engineer with experience developing AI-enhanced tools for personal message management and goal-setting, contributing to increased user productivity. Skilled in developing effective user interfaces, managing complex data workflows, and maintaining distributed databases. I thrive in collaborative environments, working with stakeholders to align technical solutions with business needs. Seeking a role at an AI-focused company looking for user-centric, data-driven solutions.

## WORK EXPERIENCE

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**Edgy Software Limited** London, United Kingdom

*Project-based contractor in Full-Stack and Web3 Engineering*

Director, Full-Stack Web3 Engineer

November 2022 – present

- **Altitude Labs:** developed a real-time blockchain monitoring system using The Graph, created a GraphQL client to subscribe to blockchain events, and expanded the admin dashboard to interact with contracts using React, ethers.js, and Hardhat
- **Carmenta Collective:** optimised the user journey for Carmenta's personal messaging service on platforms like WhatsApp and Telegram, streamlining the rules management process and reducing user setup time by 30%. Integrated an AI feature to enable intuitive user command responses for setting adjustments, enhancing user interactivity and convenience
- **Grand Cloud:** developed Go API service for user/resource management on AWS, improved data fetching speed by 40% via pagination/caching, and implemented DevOps tooling (including CI/CD, staging environment, OpenAPI)
- Developed comprehensive React dashboards to display data and facilitate key functionality on these projects. These include real-time data displays, reusable components like data tables, and user interfaces for managing user or crypto wallet actions

### HeartRithm

London, United Kingdom

*Social impact-centred cryptocurrency hedge fund focused on blockchain lending*

Full-Stack Web3 and Quantitative Engineer

November 2021 – November 2022

- Optimised infrastructure for a trading bot on centralised exchanges, adding features like automated portfolio optimisation via CVXPY/Pandas, decentralised position managers, and live accounting tools, increasing expected yield from 16% to 20%
- Designed deposits/withdrawals, flow of funds, Chainlink oracle, and Solidity bridge for our Ethereum decentralised fund
- Extended Python lending strategy to KuCoin, built Google Sheets integration for reporting, and optimised lending algorithm
- Drove improvements to our decision-making process using behavioural economics, leading to higher team productivity

### HUMAN Security

London, United Kingdom

*Cybersecurity company protecting enterprises from bot attacks to keep the internet human*

Software Engineer

November 2020 – November 2021

- Designed and built Python CI/CD tool for DB migrations on Snowflake, improving development reliability and speed
- Implemented a Node.js SDK that consolidated HUMAN bot mitigation logic across multiple cloud platforms and CDNs
- Maintained Go and Datadog streaming pipeline of 300,000 transformations/day at 99.9% SLA by adding tests and fixes

### Brain Analytics

London, United Kingdom

*Machine learning startup that quantitatively models sports games*

Software Engineer

May 2019 – July 2019

- Deployed AWS infrastructure (EC2, DynamoDB, S3) using Python and Docker to integrate ML models with client APIs
- Achieved a data input to action response time of less than 500ms by optimising architecture and algorithms

### Teneo Management Consulting

London, United Kingdom

*Market-leading strategy consultancy division of a global CEO-advisory firm*

Strategy Consultant

January 2017 – May 2019

- Operationalised pricing for a healthcare provider to increase a product's margin from -218% to -23% in a year (£3m profit)
- Worked with Citrix to redesign their sales renewal team to improve customer retention, engagement and satisfaction
- Designed and implemented VBA macros to help a transport company navigate an operational crisis

### Tablo LLC

Cambridge, United Kingdom

*iOS app that calculates user body measurements using their photos*

Co-founder, Fundraising & Marketing

April 2013 – May 2015

- Responsible for fundraising, operations, and marketing of Tablo; pitched at the final round of the Founder.org competition
- Provided user and investor insight into the prototype, architecture, and features of Tablo's iOS app

## OPEN SOURCE

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### eras

London, United Kingdom

*Open-source platform for AI-generated goal-setting and follow-through – see <https://github.com/goal-gpt>*

Co-founder, Software Engineer

January 2023 – September 2023

- Led team of 2 (software engineer and UX designer) to identify problem space, conduct user tests, and prioritise high-value UX assumption tests using the [Build-Measure-Learn](#) framework; accepted to Berlin Startup School (top 5% of proposals)
- Deployed AI chatbot and app using TypeScript, OpenAI, NextJS, React, Tailwind, Netlify, Supabase, and PostgreSQL

**Jade**

London, United Kingdom

*Open-source framework for deploying JAMstack applications - see <https://jadeframework.dev>*

Co-founder, Software Engineer

April 2020 – November 2020

- Led team of 2 (software engineers) to automate JAMstack deployments using AWS services (EC2, S3, Lambda, CloudFront)
- Developed instant CDN cache invalidation system using AWS Lambdas and S3 events
- Deployed responsive Jade dashboard using React, Material-UI, and Express for users to view historical builds and app info

**EDUCATION**

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**Cambridge University**

2013 – 2016

Bachelor of Arts (Honours) in Economics – high 2.1

- Recipient of the Santander Scholarship to study web development and global protest movements at UC Berkeley in 2014
- Specialised in econometrics to assess, in a dissertation, how migrant policy affected Singapore's income distribution
- Represented Cambridge at Harvard Model United Nations Conference 2014 and won the Diplomacy Award

**Anglo-Chinese School (Independent)**

2005 – 2010

International Baccalaureate: 43/45 (98<sup>th</sup> percentile globally), including Higher Level Math, Economics and History (7)

- Singapore National Team Sailor (2004 – 2008) and School Team Captain (2007 – 2008); national champions in 2006, 2008

**SKILLS**

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- Languages/frameworks: TypeScript, React, Next.js, Node.js, Python, Django, Solidity, ethers.js, brownie, SQL, MongoDB
- Cloud: Supabase, Infura, AWS (ECS, EC2, Lambda, S3, DynamoDB, CloudFront), GCP, Docker, Cloudflare Workers
- Web: OpenAI, HTTP, REST, APIs, Git / GitHub, MVC, Functions as a Service, software architecture, HTML, CSS