

Adam Kassam

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Education

Imperial College London

MEng Mathematics and Computer Science

Sep 2023 - June 2027 (Expected)

South Kensington, London, UK

- **Grade:** First Class (Years 1 & 2)
- **Notable modules:** Introduction to Machine Learning (90.14%); Numerical Analysis (86.27%); Software Engineering Design (78.44%); Laboratory 2 (PintOS, DevOps, WACC) (86.22%); Computing Practical 1 (Haskell, Kotlin, Java, C) (85.78%); The Theory and Practice of Concurrent Programming (81.00%); Graphs & Algorithms (84.00%).

Technical Skills

Languages: Java, Kotlin, Python, C, C++, Forth, Scala, Julia.

Technologies: Linux, Java Spring Boot, Spring Cloud Contract, Structurizr DSL, Jetpack Compose, Docker, Git, PostGIS, FastAPI, Vue.js, Docker Compose, Claude API.

Concepts: CI/CD, Machine Learning, Microservice Architecture, Embedded Systems & Microcontrollers.

Experience

Google

Software Engineering Intern – Network Insights Ecosystem

June-September 2026 (Incoming)

Dublin, Ireland

T. Rowe Price

Software Engineering Intern – Global MultiAsset Technology

July-September 2025

City of London, UK

- Worked on a full-stack web application (MACAW 2.0) to assist portfolio managers and analysts.
- Merged two of my team's microservices into one mono-repository, reconfiguring the CI/CD pipelines and deployment strategies involved as required.
- Developed a fully-fledged, producer-driven **contract testing** suite for one of our applications' services.
- Rewrote integration tests for several consumers of that service, utilising the contract 'stub runner' to make these tests more robust and limit the impact of breaking changes.
- Enabled my team, with my testing and code quality improvements, to take steps towards the 'Pilot's License', a company initiative allowing continuous delivery of applications.

ISAM

Trading Work Experience

July 2022

City of London, UK

- Traded a \$500k portfolio in four markets over the four-day programme, and presented my trades at the end.
- Acquired a comprehensive understanding of systematic hedge funds, where I met with various other departments in the company (Finance, Systematic Research, Infrastructure, etc.).

Projects

WattWhere | Claude API, PostGIS, FastAPI, Vue.js, Docker Compose

Feb 2026

- Built a full-stack geospatial platform for data centre site selection at **HackEurope 2026**.
- Scored 14,000 grid tiles across Ireland across five dimensions, including renewable energy potential, by ingesting over a dozen open datasets into a PostGIS database, served as Mapbox Vector Tiles via a Martin tile server.
- Generated per-tile AI executive summaries using the Claude API.
- **Won the Crusoe sustainability track and placed third in Anthropic's 'Best Use of Claude' challenge.**

Extracurriculars

DoCSoc

Academic Events Coordinator

August 2025 - July 2026

South Kensington, London, UK

- Organised regular 'deep dives' and other academic events (Internships 101, UROPs 101, etc.) for the 2000-strong membership of Imperial's Computing student society.

IC Hack

Education Lead

November 2025 - February 2026

South Kensington, London, UK

- Selected as one of the inaugural team leads of 'Hacker Education', supporting first-time hackers at **IC Hack 26**.
- Coordinated the development of a series of [HackPacks](#): educational tutorials/guides covering essential technical and soft skills for hackathons. Personally worked on the Android development and sponsor engagement HackPacks.
- Recruited and instructed a team of coaches to assist hackers with any queries on the day.