

Yasith Medagama Disanayakage

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Education

University of Cambridge, *MPhil in Advanced Computer Science*

Sept 2025 - July 2026

- **Grade:** Distinction, ranked 4th in cohort
- **Awards:** Highly Commended Project (Dissertation) Prize 25/26
- **Key Courses:** Digital Money and DeFi, Quantum Architecture, ML (GPs), Geometric Deep Learning, ML Systems.
- **Activities:** Optiver Cambridge Trading Academy, Student Representative for Part III and MPhil students.

King's College London, *BSc (Hons) in Computer Science*

Sept 2022 – May 2025

- **Grade:** First Class Honours (**85%** overall, **88% in dissertation**)
- **Awards:** King's Experience Research Award

Experience

Fellow, *Y Combinator – San Francisco, CA*

Present

- Selected for the Y Combinator Fellowship and Summer Grant (\$20k) recipient, building ChaosHire, a platform built for hiring in the agentic era.

Trading Execution - Software Engineering Intern, *T. Rowe Price – London, UK*

Jun - Sept 2025

- Re-engineered the Reflex (FX) Rules management system using React and ASP.NET, integrating a 'What-If' analysis tool that reduced the rule update workflow by **3 days**.
- Recognized as the **first intern** to successfully push code to the live production environment.
- Developed and backtested quantitative strategies for digital assets, building data pipelines to analyze on-chain metrics and identify trading signals.

Software Engineering Intern, *Barclays – Knutsford, UK*

Jun - Aug 2024

- Architected and deployed a full-stack enterprise data aggregation platform using React, TypeScript, Spring Boot, and PostgreSQL within Dockerized environments.
- Placed **2nd** in the Gen AI Hackathon, recognized for individual technical implementation and product presentation.

Research Fellow, *King's College London – London, UK*

Jun - July 2023

- Explored Proposer-Builder Separation and MEV alongside researchers at the **Ethereum Foundation** and **IOHK**.

Competitions

Selected Competitions & Awards

2025 - 2026

- **1st Place, Future Global Leaders Challenge '25 (Cambridge):** Won the leadership team challenge with the project "Glucolink", an LLM-driven healthcare solution providing 24/7 personalised support for diabetic patients.
- **1st Place, IC Hack '25 (Imperial College, London):** Won first place at Europe's largest student ran hackathon having built 'Seen_ary', a React Native/Django app using YOLOv8, Google Maps and Claude API for real-time audio navigation.
- **2nd Place, BSA Hackathon '26 (EPFL, Switzerland):** Won \$2k developing "DataLink", a Recommendations-as-a-Service layer for the TON blockchain, and an ecosystem of integrated telegram mini-apps.
- **3rd Place, Google Students AI Hackathon '25 (London):** Developed "PillPall", a Gemini API-powered app using React Native and live video for elderly medication tracking and automated clinical triaging.

Projects

Sid Meier's Civilization V is (PSPACE) hard

2025

- Authored a dissertation proving Sid Meier's Civilization V is NP-hard (single-player) and PSPACE-complete in multi-player scenarios through novel reductions from the Hamiltonian Path and Generalised Geography problems.

Technologies

Programming Languages: Python, Java, C#, C++, TypeScript, JavaScript, SQL

Frameworks/Tools: React, Django, Docker, .NET, Sklearn, Matplotlib, NumPy