

Galen Lee

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EDUCATION

ENGINEERING, BA & MASTER OF ENGINEERING 2023 - 2027
University of Cambridge (Trinity College)

- Specialising in Information and Computer Engineering
- Grade: First Class Honours

EXPERIENCE

RESEARCH INTERN Jul - Sep 2025
Infocomm Media Development Authority

- Performed research on LLM reasoning traces, focused on topological features.
- Designed pipelines for gathering data used in research.
- Carried out topological data analysis, extracting and identifying significant features.

SOFTWARE & ML ENGINEERING INTERN Jul - Oct 2024
ReactWise Technologies Ltd.

- Designed and developed the core product of a YCombinator-backed startup from scratch.
- Developed the web application, made with NextJS and Typescript, hosted on Vercel and connected to a PostgreSQL database on Amazon RDS.
- Implemented and evaluated Bayesian optimisation models with PyTorch, NumPy and Pandas.
- Deployed the machine learning microservice in Python using FastAPI, on AWS EC2.

CO-FOUNDER & BACK-END DEVELOPER Jan 2021 - Aug 2023
Singapore Physics League (SPhL)

- Co-founded and planned team-based competition for 2700 students studying in Singapore secondary schools and junior college (or equivalent),
- Took on roles handling the creation and selection of problems, also engaged in problem-solving, managing emergencies during the competition.
- Introduced and developed the back-end of a problem setting and reviewing platform using NodeJS and ExpressJS, which interfaced with a SQL database.

STUDENT RESEARCHER Dec 2020 - Jan 2021
*A*STAR Singapore*

- Performed data analysis on a polymerase chain reaction (PCR) dataset using Python.
- Investigated the application of several algorithms to classify the different types of curves from the polymerase chain reaction (PCR) system.

EXTRA-CURRICULARS

TECH & EVENTS OFFICER May 2024 - Present
Cambridge University Engineering Society (CUES)

- Organised events including the annual CUES Careers' Fair, which had 1000+ attendees
- Planning hackathons open to over 2900 students in Engineering and Computer Science
- Maintaining and improving the society website

SELECTED AWARDS AND HONOURS

- **Singapore Digital (SG Digital) Scholarship:** Selected for displaying strong potential in tech.
- **Shopee Code League:** Competed against 3000 teams in data analytics, data science and algorithmic challenges, ultimately finishing in 14th place.
- **Cadi Scientific Award:** Awarded for the work of the SPhL team in promoting physics to the public.
- **Singapore Physics Olympiad:** Silver medal, selected for the national Physics Olympiad Training team.

SKILLS

- **Languages:** Fluent in English and Mandarin (Chinese)
- **Programming Skills:** Python, C++, C#, HTML, CSS, JavaScript, TypeScript, Dart, Java, SQL
- **Libraries, Frameworks and Tools:** LangChain, LangGraph, Flutter, NodeJS, PostgreSQL, React, NextJS, SvelteKit, Git, Unity, PyTorch, TensorFlow, Numpy, Scikit, Docker, AWS

REFEREES

- Dr Daniel Wigh, Co-Founder and CTO, ReactWise Technologies Ltd. daniel@reactwise.com
- Prof. Amit Agrawal, Director of Studies, Trinity College, University of Cambridge, aka59@cam.ac.uk