

RYAN SAMARAKOON

Software Engineer.

ACADEMIC BACKGROUND

RMIT

June 2020 - 2023

Bachelor of Software Engineering

GPA: 4 (A+/HD)

Activities:

- Competitor at 2023 Robocup in Bordeaux France
- Education Director @ HackMelbourne
- View completed courses on my LinkedIn

Suzanne Cory High School

Graduated 2019

- Yr 9-12 State Selective School
- ATAR: 97.15 (Top 2.85% in Victoria)
- SAT: 1470

AWARDS

- Best User-Centric Hack @ UNIHACK 2021
- ML Grand Champion @ Singapore Intl. Science Competition
- Best Classifier & Most Marketable Product @ Singapore Intl. Science Competition
- 3rd Place @ CodeMasters UniMelb, a state-wide programming competition.
- Academic Award - Robotics (SCHS)
- Academic Award - Software Engineering (SCHS)

View More at: <https://ryan-s.me/certificates.pdf>

HOBBIES

- Photography
- Reading
- Music (Piano & Vocals)
- Tennis

GET IN TOUCH

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Website: <https://ryan-s.me>

GitHub: <https://github.com/Ry-DS>

LinkedIn: <https://bit.ly/3e4yAVg>

CAREER BACKGROUND

Software Engineer

Optiver - November 2021 - Present

- Optiver is a highly competitive, tech-driven market maker, tasked at providing liquidity to the world's financial markets
- I work on high-performance C++ algorithms to detect manipulative market activity real-time
- Built two complex real-time manipulation detection algorithms in quick succession, cementing a part-time role throughout 2022 during my studies after my internship
- Produced a robust regulatory change detection framework processing 100s of tickets daily.

Frontend Developer

Major League Hacking - 2020 June-August

- Selected out of over 20,000 applicants to be part of the very first MLH Fellowship, a 12-week internship where students contribute to various Open Source projects. The class consisted of 150 students.
- Created an analysis module for PRISM, a powerful mapping and analysis platform used by the World Food Programme. The module helps decision makers make educated decisions on where to deploy humanitarian aid for maximum impact.

Full Stack Developer

Ovio - September 2020 - May 2022

- I worked on Aqualink, a coral monitoring application, and Oviohub, an Open Source discovery platform used by thousands of software engineers.
- I primarily work with React, Typescript, Redux, and Material UI, and have delivered various features to Aqualink and Oviohub such as improved charts, a metrics page, UI fixes, table design, and speed optimizations, allowing marine scientists to better judge the impact climate change may be having on reefs worldwide.

EXTRA-CURRICULAR

Hackathon Competitor

- I often participate in various hackathons such as BGIS's Future Workplace Hack, UNIHACK, and MLH's various hackathons.

Mentor

- I help mentor students in CSIT and Programming Clubs @ RMIT, aiming to help build their coding foundations and computational thinking.

Education Director

HackMelbourne - November 2021

- As an education director, I lead a team at HackMelbourne to produce engaging content for aspiring developers to learn the ropes of software, while also offering mentorship to students @ workshops/hackathons.

TECHNICAL SKILLS

I am proficient in the following technologies:

(Visit my website for a full comprehensive list)

- Java
- React
- C++
- Python
- HTML/CSS
- Postgres
- Typescript
- Boost
- Jest
- MongoDB
- Express.JS
- Photoshop