

# Luke Banicevic

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❖ 0459-945-491 ❖ Sydney, NSW

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## EDUCATION

### University of New South Wales (UNSW)

Feb. 2018 – Jan. 2023

*B.E Computer Science, B.E (Hons) Mechatronics Engineering*

*Kensington, Sydney*

- Relevant coursework: Engineering Design 2 (HD) Programming Fundamentals (HD) Database Systems (HD) Object Oriented Design & Programming (D) Data Structures and Algorithms (D)
- Societies: UNSW Solar Racing Team Sunswift, UNSW Heroes Program, UNSW Chess Club

### St. Pius X College

Feb. 2010 – Nov. 2017

*High School Certificate*

*Chatswood, Sydney*

- 2017 College Dux – 99.35 ATAR (top 1% of NSW)
- Activities: Peer Mentoring, Snowy Hike, 3rds Basketball Team

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## WORK EXPERIENCE

### Deloitte

Nov. 2022 – Present

*Summer Vacationer – Platform Engineering*

*CBD, Sydney*

- Maintaining multiple AWS and Azure cloud-based infrastructure services, ensuring high availability and scalability.
- Leading a team of 3 interns to develop a cost optimization blueprint for Deloitte's future clients using AWS services such as Trusted Advisor, Cost Explorer, and Budgets.

### ResMed Pty Ltd

Dec. 2021 – Nov. 2022

*Software Engineer Intern – Devices*

*Bella Vista, Sydney*

- Designed firmware to improve and support the cellular connectivity of ResMed's fleet of devices.
- Lead and collaborated with key stakeholders to implement a randomization window for data posting on AirSense 11 ResMed devices to prevent server overload.
- Troubleshooted existing defects and complex technological issues for various large-scale projects which affect customers globally.

### Hyope

Dec. 2021 – Present

*Cofounder/Software Engineer*

*CBD, Sydney*

- Built responsive React Native components written in TypeScript in the deployment of the company's multiplayer medieval pixel battle game Bliv.
- Designed client-side contact form using React and EmailJs for the company's main site supporting client requests.
- Coordinated with a team of engineers in weekly sprints to achieve business vision.

### UNSW Solar Racing Team – Sunswift Racing

Feb. 2020 – Dec. 2021

*Embedded Software Engineer*

*Kensington, Sydney*

- Embedded Systems developer responsible for the design of UNSW's Solar Car racing team Sunswift in collaboration with a multidisciplinary engineering team, competing in the 2021 Bridgestone World Solar Challenge.
- Designed and built an Autonomous Driving Assistance System using OpenCV computer vision library written in C++.
- Programmed CAN bus nodes interfaced with vehicle drive by wire systems programmed in C.

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## SKILLS & INTERESTS

**Skills:** AWS; C/C++; Python; Java; JavaScript, TypeScript, React, React Native; SQL; Jira; Git

**Interests:** Weightlifting; Space; Brazilian Jiu Jitsu; Chess; NBA;