

# Harrison Cook

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## About Me

Born and raised into what friends have described as a “singing cult”, I’m far from the stereotypical Software Engineer. A majority of my youth was associated with music; performing in various musical acts on stage, on street corners, and of course, in the shower. In my final years at College I stumbled into a Digital Technology class and uncovered the world of software development. I quickly discovered the enjoyment of tackling programming challenges, and have pursued a career chasing this passion. From this wide range of previous endeavors, I’ve developed into a bright, bubbly, resilient and reliable man. I’m continuously improving in the software development field, and enjoy being able to work in a team to provide software solutions to a myriad of problem spaces.

## Technical Skills

I have acquired an amplitude of knowledge in many different areas which extend my technical capabilities.

### **C#:**

Limited professional experience, building backend solutions.

### **NodeJS, TypeScript:**

Extensive educational, personal and professional experience, building frontend, backend and reusable solutions.

### **Other languages / frameworks:**

Educational and personal experience with: Java, C, C++, Ruby, F#, Rust, React, React-Native, JavaScript, VueJs, Flutter, Dart. Experience in these areas varies, however I have extensive experience adapting to new technologies.

### **Azure, Terraform, Github Workflows:**

Moderate professional experience, building Azure infrastructure for backend solutions.

### **Vim, Hardware:**

Extensive personal experience, implementing self taught solutions to high degrees of success.

## Soft Skills

**Teamwork:** I have existed as a part of groups and teams for a majority of my life. Sports teams, bands, group projects (both personal and educational) and a multitude of different working environments have enabled me to learn the importance of teamwork and how to work alongside a variety of different personalities.

**Verbal Communication:** Drama productions have been a large part of my upbringing. Performing in front of large crowds has allowed me to develop a high level of confidence in public speaking and communication with others.

**Reliability:** With experience in the workforce and a variety of teams, I have developed a deep understanding of how important punctuality and reliability is to working with others.

**Personality:** I have been described by teachers and employers as organized, enthusiastic, bubbly, reliable and hard-working.

## Work Experience

- 2021 - Now** *Developer at Z Energy (C#, Typescript, Terraform, Github Workflows)*
- 2020 - 2021** *Summer internship at Raygun (React-Native, Typescript)*
- 2019 - 2020** Summer, full time, freezer hand at ANZCO meat works.
- 2019 - 2021** Part time tutor for Victoria University.
- 2018 - 2019** Part time tutor for CodeCamp.
- 2016 - 2018** Freelance Photographer.
- 2016 - 2020** Part time / casual worker at Bunnings Warehouse.
- 2013 - 2016** Casual electrical assistant for Burnett Electrical.

## Personal Experience

**Flat-App:** During 2021, a common issue in my flat was the handling of flat chores. A list of who was doing what for the week was written on a whiteboard and updated at the end of every week. Often, the board would not be updated, which would cause confusion in the flat. Fixing this issue, I created a React-Native + Heroku + MongoDB mobile application. This app has built-in functionalities beyond an automatic chore list, such as a "flat shopping" list, which holds a record of who purchased items for the flat, and more. During 2022, I remade this application in Flutter. Both solutions worked well.

**Building Hardware:** Although it's unnecessary in the industry, I find myself passionately exploring how computers work. Self taught, I've designed and built a handful of personal computers, and played around with Arduino boards (Bluetooth Low Energy networking). This understanding of computers makes understanding cloud infrastructure much easier, and enables me to quickly learn new programming languages and paradigms.

**Open Rocket extension software:** As part of a University course, I was placed in a team with the aim to create a piece of software for a client that will extend an existing open-source program called "OpenRocket". The course introduces students with a close simulation of a potential workplace. Our team did particularly well, making our client very happy with our final product.

## Education

- 2018 - 2021** A Bachelor of Engineering (First Class Honors) in Software Engineering  
- Specialization in Networked Applications.
- 2013 - 2017** Studied at Marlborough Boys' College (NCEA)

## Awards

### Notable Academic Awards:

- Engineering Dean's List for academic excellence (2018 - 2021).
- Passed NCEA Levels 1, 2 and 3 with an overall Excellence Endorsement (2015 - 2017).
- MBC Trophy for leadership and Contribution to Theatrical Arts (2017).
- MBC Leo Trophy for best academically performing NCEA level 2 student (2016).
- MBC Best Dramatic Performance (2016).
- MBC Contribution to Performance Music (2015).

### Other Notable Achievements:

- National Shakespeare Schools Production participant (2016).

## References

Available on Request

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