

# Cheng-Zhen Yang

BE (Hons), Software Engineering


University of Auckland Feb 2019 - Nov 2022

GPA: **8.5/9.0 (A/A+ Average)**

Dean's Honours List 2020 - **Top 5%** of Engineering Students

Languages: Golang, JavaScript, Java, C

Intro to Data Structures and Algorithms – A-

 [zhenk.dev](https://zhenk.dev)

 [nz.linkedin.com/in/chengzhenyang](https://nz.linkedin.com/in/chengzhenyang)

 [github.com/scorpionknives](https://github.com/scorpionknives)

 (+64) 21 0818 0236

 [chengzhenyang@gmail.com](mailto:chengzhenyang@gmail.com)

 Auckland, New Zealand

## EXPERIENCE

My Skillsme Ltd. – Software Engineer

Mar 2021 - Present

- Introduce SCRUM Agile workflow to team and create product
- Moving backend to a microservice architecture with cloud scalability.
- Tech stack — **JavaScript**, NodeJS, Express, Postgres SQL

Jasper Property. – Software Engineer Intern

Dec 2020 - Mar 2021

- Worked on backend for Jasper's online platform that manages **millions in funds** on commercial property.
- Implement OPA cache to improve introspection **speed by x10** and lowering instance CPU usage.
- Tech stack — **Golang**, SQL Database, NoSQL, GraphQL, gRPC, Terraform

Eugra Tech Ltd. – Software Engineer

May 2019 - May 2020

- Engineered and crafted Eugra app in a Startup team with high performance and low budgets in mind.
- Optimise our real-time audio **compression by 70%** and **decrease latency by x2**.
- Create scalable and streamline cloud microservices for audio processing and multi-channel streaming.
- Tech stack — **Golang**, React, MySQL, Redis Cache, MQTT, GCP, AWS, Kubernetes, Gitlab CI

TSA Tech Ltd. – Software Engineer

Jan 2016 - Dec 2020

- Designing and installing **Security-focused** infrastructure - Windows Server, AD, SQL Server, IIS, Ubuntu.
- Optimise webserver and website **loading times by 40%**.
- Worked on multiple projects and tech stacks — **JavaScript**, PHP, asp.net, SQL, **Golang**, React, React-native, NodeJS

## EXTRACURRICULAR

Microsoft Student Accelerator New Zealand. – Student Ambassador

Mar 2021 - Present

- Help students bridge the gap between industry and university by upskilling.
- Place students into internship roles with MSA partners through the MSA program.

Developers Society (DEVS) Student Club. – Tech Team Exec

Dec 2020 - Present

- Creating top-quality workshops to keep club members up to date with current tech trends.
- Building a safe environment for student developers to socialise and learn.

Pion. – Open Source Contributor

Sep 2020 - Present

- 1 of the **100** contributor that maintain Pion, a WebRTC implementation in **Golang**.

## RECENT PROJECTS

Quinzical. – **Winner and People's Choice of 2020 SOFTENG 206** Group Project

Sep 2020 - Nov 2020

- Team project with a **Java** app, React web app, NodeJS + MongoDB backend.
- Used CI and CD to automate quality assurance and deployment.
- Repo: [github.com/Quinzical](https://github.com/Quinzical)

Say My Name. – **Overall Winner** and **Skillsme Judge's Choice** at WDCC hackathon

Aug 2020

- Created a full stack project in 24 hours to help students to memorise the names of classmates.
- Managed and merged work of **6 developers**
- Tech Stack — ReactJS, Apollo, GraphQL, MongoDB, NodeJS, AWS S3
- Repo: [github.com/Say-My-Name-WDCC/say-my-name](https://github.com/Say-My-Name-WDCC/say-my-name)

InTouch. – **Competition Winner** at Skillsme Online hackathon

Apr 2020

- A responsive, scalable, and configurable service to help the elderly during COVID-19.
- Leadership — **Lead a team** of 4 student engineers to create a well-documented backend and frontend.
- Tech stack — Twilio API, Flutter (dart), Node.JS (Typescript), Express
- Repo: [github.com/In-Touch-Hackathon/In-Touch](https://github.com/In-Touch-Hackathon/In-Touch)

Find more at [github.com/scorpionknives](https://github.com/scorpionknives)