

# JACK GONG

Auckland, New Zealand · BE(Hons) Software Engineering · jackgong48@gmail.com · (021) 1088 932 ·  
linkedin.com/in/jack-gong · portfolio: jackgong.me - Looking for full-time roles

## EDUCATION

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### University of Auckland

First Class Honours BE(Hons) | Software Engineering *GPA: 7.2/9.0*

Auckland, New Zealand

March 2020 - November 2023

## WORK EXPERIENCE

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### MimoMax

*Embedded Software Engineer*

Christchurch, New Zealand

November 2022 - February 2023

- Developed, tested and built an upgrade for MimoMax's since outdated NTP client, which did not have the safer Autokey encryption scheme.
- Carried out careful designing of the CLI and CCMS (user portal), including their test cases.
- Understood topics like remote login (PC to radio), the Network Time Protocol and asymmetric/symmetric key cryptography and cross-compilation.
- Used BASH and PHP for the web and CLI backend which included: generating and applying a certificate/symmetric key file, sanitising user input and executing sh scripts from the CCMS.
- Added the new NTP client to the radio's build script and created releases for testing and deployment.
- Continuous use of GIT throughout development, used merge requests followed by code reviews per feature and ensured safety by using two-tiers of branching.

### Countdown Supermarkets

*Supermarket Assistant*

Auckland, New Zealand

December 2019 - November 2022

- Stocked fruit and veges while demonstrating excellent customer service and food safety.

## EXTRA-CURRICULAR

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### Astro Media NZ (Mar 2023 - Present)

[www.astromedia.dev](http://www.astromedia.dev)

Since early 2023, my friend and I freelanced web development because we noticed the lack of quality websites in our neighbourhood such that many small businesses were still using old slow websites and often had confusing layouts. Additionally, a lot of the competition was selling overpriced, template websites. We decided to make a change.

### YTech NZ Committee Member (Jan 2019 - Present)

[www.facebook.com/ytechnz](http://www.facebook.com/ytechnz)

YTech is a non-profit organisation run by youth for youth. As a committee member, I was able to experience different aspects of running an organisation like marketing operations. Previous events include 'YTech: Beyond the Code' and 'YTech: Walking on Mars'.

I am also in the development team where we are currently building the web site which uses React JS.

## AWARDS

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### Dean's Honours List

Top 5% of Engineering Cohort

University of Auckland

2020

### Practical Piano Grade 8

Attained with Achievement

ABRSM

2019