

Jonathan Templeton

Computer Science and Information System Student

I am passionate about disruptive technology. Containerisation, Internet of Things and Cloud Vendors are disrupting existing industries and I aim to be forefront of this.



✉ jonotempleton@gmail.com

📍 Auckland, New Zealand

🐙 github.com/LittleJono

📞 +64 22-396-7703

in linkedin.com/in/jono-templeton

WORK EXPERIENCE

Disruptive Technology Intern

IAG Auckland

11/2016 – 03/2017

Auckland, New Zealand

Achievements/Tasks

- Launched a proof of concept where IoT sensors are installed in homes, allowing IAG to explore this industry disruption. Business stakeholders used our research to inform future strategy around IoT.
- Created a data pipeline between IoT devices and a cloud based NOSQL database, exposing the data through REST APIs and SQL queries, providing real time data access to analysts.
- Demonstrated POC results to internal stakeholders, then presented our findings in an external tech expo. The presentation took the form of a JavaScript based website populated with visualisations from streaming data, and real-time email alerts for suspicious sensor readings.

Independent Developer

Self-Employed

2017 – Present

Achievements/Tasks

- Informed decision makers on acquisition of IoT sensors.
- Developed software for micro-controller to IoT sensor integration.

EDUCATION

BSc, Computer Science and Information Systems

University of Auckland

2016 – 2018

Courses

- Mathematical Foundations of Computer Science
- Computational Science
- Distributed Objects, Services and Programming
- Artificial Intelligence

SKILLS

Cloud Platforms



Linux



SQL



Problem Solving



JavaScript



Python



Node.js



PERSONAL PROJECTS

Discord Bot Programming (2017 – Present)

- I administrate a large Discord server (a voice and text chat platform for gamers).
- I develop chat bots that provide functionality for users while automating specific tasks that would be infeasible for humans to do. (Examples on GitHub)
- These bots are containerised and deployed in Docker.

3D Printing (2017 – Present)

- I have been learning how to operate a 3D printer that I built from a kit. I have also been teaching myself some basic 3D modelling skills.

Arduino Programming (2017 – Present)

- I developed an open-source keypad which uses an Arduino as an interface to connect to a computer. (Example on GitHub)

ACHIEVEMENTS

Microsoft Student Accelerator (2016)

Completed the Microsoft Student Accelerator programme which led to my internship at IAG over the 16/17 summer.

INTERESTS

Automation

Data Engineering

Bot Programming

3D Printing

AI

Game Server Hosting

Arduinos

Electronics