

Henry Gann

SOFTWARE ENGINEER

Auckland, New Zealand

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Experience

Navico Group

Auckland, New Zealand

SOFTWARE ENGINEER

Nov. 2022 - Present

- Developed and deployed several **full-stack** web apps single-handedly from scratch.
- Set up web servers and **network infrastructure** for the R&D department.
- Updated and extended a large-scale **Python** automated testing platform.
- Implemented **CI/CD** pipelines and **dockerized** projects.

Koda Web

Auckland, New Zealand

SOFTWARE ENGINEERING INTERN

Feb. 2022 - June 2022

- Updated and patched legacy **Visual Basic** codebase.
- Implemented **backend** endpoints for clients relating to the transfer of data from hardware via serial port.
- Developed **UI/UX** drawings and implemented them using **React**.

Navico Group

Auckland, New Zealand

SOFTWARE ENGINEERING INTERN

Nov. 2021 - Feb. 2022

- Implemented a **Unity** simulation related to testing prototype hardware.
- Collaborated as a team to implement a large-scale **Python** project that pooled together data simulators using a GUI.

Achievements

Dec 2023 **ACRA Research Conference Attendee**, My research team was selected to attend the ACRA conference in Sydney.

2020, 2023 **Dean's List**, Received for being in the top 5% of my class.

Projects

PartyTime

🔗 [HTTPS://GITHUB.COM/HENRYGANN/PARTYTIME](https://github.com/HenryGann/PartyTime)

March - April 2024

- A **REST API** built with **ASP.NET** and **PSQL**, designed to connect anonymous users and create listings for public events.
- Implements modern authentication and authorisation without helper libraries, i.e. **JWT**
- Utilises security features, e.g. Salting and hashing of a users password for protection from rainbow tables.

SocketRouting

🔗 [HTTPS://GITHUB.COM/HENRYGANN/SOCKETROUTING](https://github.com/HenryGann/SocketRouting)

April - May 2024

- Implements an HTTP server written entirely from scratch using **C**.
- Handles dynamic routing of routes within src folder and any non-existent routes as well as **css** files.

Seafarers

🔗 [HTTPS://GITHUB.COM/HENRYGANN/SEAFARERS](https://github.com/HenryGann/Seafarers)

June. 2022

- Full-stack **FERN** app.
- A simple project that has authentication and user-specific data stored in **Google Firestore/Firebase**.
- calculate an objects 3D Center of Mass.

Education

University of Auckland

Auckland, New Zealand

BACHELOR OF ENGINEERING IN SOFTWARE, FIRST CLASS HONOURS, GPA: 8.0, DEAN'S LIST

Jan 2019 - Nov 2024

Skills

Programming Languages: Rust, Python, JavaScript/TypeScript, Bash

Applications and Software: Linux, Docker/Docker-Compose, Jenkins, Git, SQL/NoSQL