

Ju Won Han

+64211155584
lehmano308@gmail.com

in /hanjws
/almightyprogrammer
Portfolio website

Education

University of Auckland

Bachelor of Science, Computer Science and Mathematics. 7.481 GPA

2022 – 2025
Auckland, NZ

Experience

University of Auckland

Summer Researcher

Dec 2023 – Mar 2024
Auckland, NZ

- > Researched in topics of statistical mechanics and active fluid dynamics.
- > Developed simulation program to model the behaviour and trajectory dynamics of fish in oceanic environments, incorporating diverse parameters to analyse and predict collective movement patterns.
- > Designed and implemented a computational model to simulate particle behaviour within potential barriers, using the model to mathematically disprove a hypothesis concerning particle escape.

University of Auckland

Teaching Assistant

February 2025 – Current
Auckland, NZ

- > Working as a data structure and algorithms TA helping students with assignment queries and feedback.
- > Marked students' assignments fairly and swiftly providing detailed comments on their solutions.

CityFitness

Receptionist

Sept 2022 – Current
Auckland, NZ

- > Managed front desk operations at a busy center assisting with membership inquiries and ensuring welcoming environment for members.
- > Maintained facility cleanliness and organisation, ensuring all areas are met with hygiene and safety standards.

Projects

Engineering for Sustainability Rental Service Platform (University Club Project)

- > Lead the backend development in a team of five to create a rental service platform backed by the faculty to reduce waste for engineering clubs and departments.
- > Designed and implemented the backend using Django, integrating JWT for secure authentication and PostgreSQL for data persistence, deployed on AWS using EC2 for hosting and RDS for managed database services.

Forum for Career Questions (opengate)

- > Developed a student-focused social media platform inspired by Blind using Django, Bootstrap, HTML, and CSS, enabling students to share job-hunting tips, career advice, and industry related questions.
- > Implemented AWS RDS for database hosting, ensuring reliability, scalability. Hosted on AWS EC2.

For more visit my github page with the link above!

Skills

Languages Python, C#, Java, Javascript, HTML/CSS, SQL, MATLAB

Frameworks and Libraries Django, Express.js, Node.js, React, Bootstrap

Tools AWS (RDS, EC2), Git, JWT, Linux