

Education

Victoria University of Wellington (VUW)
Bachelor of Science in Computer Science 2021 - 2024

NextWork - AWS
Progress on Github - [click here](#)

FreeCodeCamp.org April 2024 - June 2024
Certifications: [Responsive Web Design](#),
[JavaScript Algorithms and Data Structures](#)

Projects

RESTful Web Application

- Delivered a robust **RESTful web application** by leveraging **Express.js** and implementing advanced features, resulting in a 40% increase in user security and a 25% boost in system efficiency through seamless integration of **MVC architecture**, **distributed authentication**, and secure data communication protocols.
- Engineered a responsive, intuitive user interface by harnessing **HTML**, **CSS**, and **JavaScript**, and successfully deployed on **Google Cloud**, showcasing **full-stack web development** expertise and **cloud infrastructure** proficiency.
- Elevated application performance by 50% through rigorous **troubleshooting** and **optimization** of **web caching** and content replication strategies, resulting in a successful demonstration that earned accolades from peers and professors for innovative problem-solving techniques.

CNN Image Classification

- Developed **Deep Convolutional Neural Network (CNN)** using **Python**, **PyTorch**, and **Scikit-learn** to classify 4,500 images into 3 classes.
- Proficiently utilised data for model **training**, **hyperparameter tuning**, and application of pre-trained models for accurate **classification of unseen test data**
- Explored and implemented diverse loss functions and optimisation techniques to enhance CNN performance, acquiring expertise in **advanced neural network** methodologies.

Technical Skills

Backend

Python | Java | C++ | Node.js | Express.js | Flask | OpenCV |
Next js | Vite

Frontend

React js | Javascript | TypeScript | HTML/CSS | Bootstrap |
Tailwind CSS

AI/ML

Pytorch | Sci-kit Learn | Tensor Flow

Other

AWS | Google Cloud Run | Bash | Unreal Engine 5 |
Godot 4 | Blender | Git | MVC

Soft Skills

Willingness to Learn | Analytical and Decision-making Skills | Teamwork | Communication/Interpersonal Skills |
Problem Solving | Attention to Detail

Work Experience

INFO101 & COMP132 Tutor
Victoria University of Wellington 07/2024 - Present

- Empowered **50+ students** in INFO101 by delivering comprehensive tutoring on **information systems**, resulting in an improvement in class performance and enhanced understanding of business operations, **managerial decision-making**, and **organizational strategy**.
- Cultivated programming proficiency** in **20+ first-time** coders by leading COMP132 sessions, resulting in an increase in students' ability to **process**, transform, **analyse**, and present data effectively using industry-standard programming techniques.
- Structured **innovative** lesson plans by incorporating hands-on activities and real-world scenarios, resulting in improvement in student comprehension of **theoretical concepts** and their **practical applications** in the field.
- Assessed and provided feedback** on student assignments and projects to improve academic performance and practical skills.

Gym Receptionist

CityFitness 06/2023 - Present

- Process payments and maintain accurate records.
- Handle phone inquiries and provide **professional customer service**.
- Troubleshoot and resolve** customer complaints and issues.

Languages

English | Korean

References

Available upon request