

# James La

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## Summary

Aspiring software developer with a fresh Computer Science degree from Victoria University of Wellington. Skilled in full-stack development, with hands-on experience in RESTful web applications and AI/ML projects. Fluent in English and Korean, bringing a multicultural perspective to tech solutions. Passionate about continuous learning and applying emerging technologies. Combines academic knowledge with practical experience as a university tutor, fostering the next generation of tech talent.

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## Education

**Victoria University of Wellington (VUW)**  
*Bachelor of Science in Computer Science*

2021 - 2024

**NextWork - AWS**  
Progress on Github - [link](#)

**FreeCodeCamp.org**  
Certifications: [Responsive Web Design](#),  
[JavaScript Algorithms and Data Structures](#)

April 2024 - June 2024

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## Projects

### Spotify Statistics Web Application - [link](#)

- This web application was created using a combination of React, Next.js and TailwindCSS and was hosted on Vercel.
- The focus of this application is to display the **statistics of the user's favourite songs and artists**, such as the most **common genre** within the said categories.
- Through this I was able to learn about the use of **APIs, Dynamic Routes, and user authentication** in Next.js

**Skills:** Spotify Web API, React, JavaScript, Next.js, TailwindCSS, Vercel (Hosting)

### O'Sushi School Lunch "Summariser" - [link](#)

- This web application was created using a combination of React, Next.js and TailwindCSS and was Google Cloud Run.
- This application was created for **O'Sushi, a local sushi restaurant**, where they produce and deliver sushi for primary schools throughout Wellington, New Zealand.
- By inputting data from the orders, this app **summarises the orders** into a readable format that enables the staff to **skip the process of manually summarising** the lunch orders and **finding corner cases** where a student may have multiple orders.
- Improved overall efficiency and eliminated unnecessary labour** for the staff of O'Sushi.

**Skills:** React, JavaScript, Vite, Google Cloud Run (Hosting), TailwindCSS

### 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.

**Skills:** Google Cloud Run, JavaScript, Node.js, Express, MongoDB, HTML, CSS

## 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.

**Skills:** Python, Pytorch, Sci-Kit Learn, Tensor Flow

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## Technical Skills

### Backend

Python | Java | C++ | Node.js | Express.js | 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 | Vercel | 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

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## Work Experience

### INFO101 & COMP132 Tutor

07/2024 - Present

Victoria University of Wellington

- 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

06/2023 - Present

CityFitness

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

- **Muay Thai** - Since 2018, I've been kicking, punching, and elbowing my way through Muay Thai classes and have fallen in love with the sport!
- **Weightlifting** - There's a compelling contrast between destroying your body with heavy weightlifting and the subsequent period of rest and recuperation at home.

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## Languages

English | Korean

## References

Available upon request