

## CONTACT

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- <https://jwoon-kim-portfolio.vercel.app>

## EDUCATION

- NOV 2023 - MAY 2025  
JAMES COOK UNIVERSITY
  - Master of Information Technology, Majoring in Computing
  - GPA: 6.4 / 7.0 (expected)
- MAR 2015 - Feb 2022  
SUNGKONGHOE UNIVERSITY  
SEOUL, REPUBLIC OF KOREA
  - Bachelor of Engineering, Software Engineering

## SKILLS

### PROGRAMMING LANGUAGES

- JavaScript, Python
- C, Java, Kotlin

### DATABASES

- MySQL, MongoDB

### WEB TECHNOLOGY

- Node.js, Express.js
- HTML, CSS
- Bootstrap

### DEVELOPMENT TOOLS

- Git, AWS

### LANGUAGE

- Korean (Native)
- English (Fluent)
- Vietnamese (Basic)

# JOWOON KIM

## BACK-END DEVELOPER



## SUMMARY

I am a back-end developer with a strong passion for working with data. Proven experience in saving \$21 million USD through data analysis and over 3 years of project management in highly collaborative, international corporate environments. During my master's program, I built a solid foundation in IT and applied it through multiple projects involving databases and APIs. Eager to leverage my technical and soft skills to build efficient, scalable back-end data systems.

## PROJECTS

### Stray Spotter: Cloud-based Web Service Back-End Developer, Project Leader

MAR 2025 - PRESENT

<https://github.com/NiceKim/strayspotter>

- Led a team of 3 to develop a web service for sharing stray cat pictures, extracting metadata to monitor their population and well-being.
- Developed the backend server with Node.js, designed the database with MySQL, and utilized Wasabi cloud storage for image hosting.
- Achieved 2nd place in the Wasabi Hackathon hosted by James Cook University.

### Deep Learning Fraud Detection Independent Project

SEP 2024 - NOV 2024

<https://colab.research.google.com/...>

- Developed CNN and RNN models in TensorFlow to analyze students' mouse behavior and detect identity fraud in online assessments, achieving 96% accuracy.
- Implemented Agile project management and Extreme Programming (XP) methodologies, cutting project delivery time by 15%

## PROFESSIONAL EXPERIENCE

### LG Electronics Inc, Vietnam Data Analyst

AUG 2019 - SEP 2022

- Analyzed data to minimize wasted materials, resulting in total savings of 21 million USD over one year.
- Took the initiative to design a database for collecting and integrating around 45,000 daily records from multiple corporate systems, and pre-processed the data to ensure accurate integration.
- Developed data visualizations using SQL to deliver actionable insights.

### Project Manager

- Ensured timely readiness for mass production of IVI (In-Vehicle Infotainment) systems by overseeing key metrics such as defect rates and production rates, achieving a 73% defect reduction.
- Collaborated with other teams to coordinate production trial runs and manage project documentation, to guarantee smooth project execution.
- Tracked and reported KPIs and project status for the entire team.