

Benjamin Kim

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EDUCATION

Wilfrid Laurier University Waterloo, ON
Honours Bachelor of Science in Computer Science | *Concentration in Big Data Systems* Expected Dec 2026
Course Highlights: Databases, Software Engineering, Data Structures & Algorithms II, Computer Networks

WORK EXPERIENCE

Full-Stack Developer Intern Seoul, South Korea
Chujin Gongjang Corp. May. 2025 – Aug. 2025

- Contributed to the development of a full-stack corporate website from scratch for a startup consulting firm.
- Used **Python (Flask)** to build the backend server and **RESTful APIs** for publishing and managing blog posts.
- Worked with **JSON** payloads across all API endpoints to structure, validate, and transport data.
- **SQL** was used for data manipulation and to design **schemas** to store accounts, passwords, blog posts, etc.
- **JavaScript** was used to create interactive features such as search highlighting and carousel navigation.
- **HTML** and **CSS** were used to structure the frontend to work across all devices.
- Deployed through **CI/CD** pipelines with **Git** for version control to streamline collaboration.
- **Docker** was used to containerize the application for easy testing, deployment, and portability.

Machine Learning Researcher Seoul, South Korea
Korea University May. 2025 – Sept. 2025

- Performed full **ETL processes** using **Pandas** to extract, transform, and load data into our models.
- Used **PyTorch** to implement meta-learning algorithms to enable rapid adaptation across tasks.
- Fine-tuned a baseline **LLM** (BERT) to compare adaptation speed with our meta-learning models.

PROJECTS

GameHub | *Personal Project* Oct. 2025 - Nov. 2025

- Built a game hub where users can play multiplayer games I created while earning virtual currency.
- Implemented dynamic **AWS S3** storage for thumbnails, integrated with API endpoints for secure file updates.
- **PostgreSQL** - designed new schemas for users, friend requests, friendships, and party state.
- Python (Flask) - built and expanded REST APIs for login, friends, party invites, and system health monitoring.
- JavaScript – connected APIs to the front end, built inbox features, and implemented core matchmaking logic.

SKILLS

Languages: Python, Java, C, HTML, CSS, JavaScript, SQL
Libraries: React, Tailwind, Scikit-learn, TensorFlow, Pandas, Keras, Flask, PyTorch, Matplotlib, SQLAlchemy
Technology: Docker, AWS, Git, PostgreSQL, Vite, Power BI, Linux, Visual Studio Code, Jupyter Notebook

CLUB EXPERIENCE

Laurier Computing Society - Software Developer Jan 2023 - Jan 2024

- **Debugged** Python scripts and mentored 2+ junior devs on best practices during onboarding.
- Automated repetitive admin tasks using Python scripts, saving the executive team **~2 hours/week** in work.