

Minjun Kim

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Education

University of Toronto

Sep. 2021 – Apr. 2026 (Expected)

Honours Bachelors of Science in **Computer Science - Software Engineering & Statistics**

- **Teaching Assistant 11x** (Intro to Software Engineering, Software Design, Intro to CS, Calculus I, Calculus III)

Relevant Coursework:

AI/ML, Algorithms & Data Structures, Databases, Operating Systems, Networks, Distributed Systems, OOP, Software Design

Experience

Loblaw Digital

May 2025 - Aug. 2025

Machine Learning Developer Intern

Toronto

- Developed a multi-agent LLM **DAG** using **Apache Airflow**, **LangGraph** & **Langfuse**, enabling real-time invocation of custom business logic to ingest, structure, and enrich **flyer data** and **AI-driven analytics**.
- Engineered an **OCR-to-BigQuery** pipeline using Google Cloud Vision API and **Vertex AI**-powered semantic matching.
- Integrated a **RAG** by embedding internal documents into **Qdrant Vector DB**, and built **FastAPI microservices** for real-time chatbot streaming and insights capture in standardized **BFF schemas**, improving accuracy on complex promotional queries by **30%**,

Lifomation

Aug. 2024 - Apr. 2025

Machine Learning Engineer

Menlo Park

- Integrated and fine-tuned **PaddleOCR** to automate the extraction of keywords from PDFs and images across user file systems, storing extracted data in **AWS S3**, resulting in a **45% increase in efficiency of onboarding**.
- Engineered an **Elasticsearch-powered search solution** that retrieves documents based on relevant contextual keywords, improving the accuracy and relevancy of search results by **93%** and resulting in **recognition by Sequoia Capital**.

Cisco Systems Inc.

May 2024 - Aug. 2024

Software Engineer Intern

Ottawa

- Developed **PBR-Execution Agent** policies in **C++**, creating a robust framework to apply **policy-based routing** and BGP Flowspec configurations for the IOS-XR **Operating System** used in the **Cisco 8000 router**.
- Implemented a LLM-powered **Webex GenAI agent** to analyze UApp **JSON test logs** and automatically generate assignable **CDET tickets**, reducing manual effort by **60%** and improving issue tracking efficiency by **40%**.

Nokia

Sep. 2023 - Dec. 2023

Software Developer Intern

Toronto

- Automated **E2E testing** and containerized **test-runner image** with **Python** and **Bash** scripts, increasing BasePlatform delivery by **70%** and landing a **€2.2M** purchase order from Claro.
- Rolled out **Go-based microservices** in Nokia Container Services on **AWS EKS** using **Kubernetes**, **Docker**, and **Helm**.

Projects

ShopSync - 1st Place Hackathon | [Github](#) | [Demo](#) | *NextJS, Tailwind, Gemini 2.5 Pro, Supabase, PostgreSQL, Vercel*

- Implemented an **AI-powered shopping assistant** to understand user intent and generate personalized, reward-optimized **shopping recommendations** based on prior purchase history, claimed rewards, and current promos.
- Developed an **AI insight generation engine** to summarize user's weekly spending habits through prompt chaining and data conditioning, inspired by Spotify Wrapped - winning **1st place** at the NoName® **Toronto Tech Week Hackathon**.

OracleDocLoader - LangChain.js | [Github PR](#) | *TypeScript, SQL, OracleDB, OracleAI, Jest, Docker, Node*

- Contributed to the **Open Source** LangChain library by implementing the **OracleDocLoader** class in Oracleai.ts, enabling flawless data population from **Oracle tables**, files, and directories into LangChain's **standardized Document objects**.

CoBuild - AI Job Board App | [Github](#) | [Demo](#) | *OpenAI, MongoDB, Express, React, Node, Amazon S3, D3.js, Vercel*

- Built a custom **Python Parser** REST API for assessing applicants' code against test cases in structured **JSON** format.
- Integrated **OpenAI** API to analyze **time complexity** of code submissions, represented as interactive **data visualization** chart/graph feedback using **D3.js** with a ranking leaderboard system.
- Synthesized the **auto-population** of users' profile pages with skills extracted by a **Resume Parser** API with a resume storing/fetching mechanism involving **s3 bucket** for a corresponding application ID.

Skills

Languages: Python, Java, C++, C, Bash, Go, JavaScript/TypeScript, SQL, R, Swift, Kotlin, Ruby, Haskell, Racket, Assembly

Frameworks: PyTorch, Scikit-learn, TensorFlow, FastAPI, Pandas, NumPy, Hugging Face, Flask, RabbitMQ, PaddlePaddle

Tools: Git, Linux, VS, Docker, Jenkins, Kubernetes, OpenShift, Selenium, Apache Kafka & Airflow, Postman, Grafana, Sentry

Databases & Cloud: GCP, AWS (EKS, S3), Firebase, MongoDB, Redis, PostgreSQL, OracleDB, Neo4j, Qdrant, Faiss, Pinecone