

JeongJun Song

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EDUCATION

Arizona State University, Ira A. Fulton Schools of Engineering | GPA: 3.74/4.0 Dec 2025
B.S. Computer Science | Dean's List (2023-2025) | NamU Scholarship (2023-2025)

WORK EXPERIENCE

ARC Lab Dec 2024 – July 2025
Research Assistant | HPC | Python | Linux | Train | Data Mining | Tempe, AZ

- Conducted research under Prof. Ben Zhou, enhancing multilingual capabilities of language models.
- Trained** and deployed models in an **HPC** (High Performance Computing) environment using up to four NVIDIA A100 GPUs.

Arizona State University May 2024 – Dec 2024
Research Aide – Software Engineering Role Tempe, AZ

- Built a **Full-Stack** website leveraging Next.js, Flask, JavaScript, Supabase, AWS Textract API and YOLOv8.
- Reduced truck gate processing time from **5 minutes to 5-10 seconds** by implementing an **OCR**-based system.

NGL Transportation INC Jan 2022 – Jan 2023
Software Engineering Intern Phoenix, AZ

- Improved image detection **accuracy by 20%** through **YOLOv5** model refinement.
- Managed **10,000+** daily data transactions with **SQL** and **AWS S3**, ensuring secure and efficient storage.

PROJECTS

Rebil - Startup [Link](#) | Next.js | Supabase | Git | Full-Stack | OAuth | GCP | July 2025 - present

- Startup **MVP**(Minimum Variable Product) model development project targeting the vehicle rental market in Indonesia.
- Designing **database schema** with 15+ interconnected tables, platform through **Next.js** framework.
- Integrating Google Maps API, Stripe, and OAuth (**Supabase/Google**) for core platform features.

Atoms - Capstone [Link](#) | Next.js | Supabase | n8n | May 2025 - present

- Developing **MCP** (Model Context Protocol) server and **AI Agent** workflows using n8n to automate business processes.
- Building frontend and backend development, optimizing performance and user experience.

Increasing Multilingual Language Model's Ability [Link](#) | Python | Gemini | GCP | Jan 2025 - present

- Investigated performance disparities in language models caused by an over-reliance on **English-centric** datasets.
- Exploring novel methods to **mitigate linguistic bias**, aiming to ensure more **equitable performance** across diverse languages.

Llama Socrates [Link](#) | Llama | MoE | CoT | FineTune | Jan 2025 – May 2025

- Created a model pipeline (Judge, Math, Instruction) and **MoE** (Mixture of Experts) for handling math and instructional queries.
- Boosted performance with **LoRA** fine-tuning, improving math accuracy by **32%** and reducing perplexity by **25%**.

Business Contract Analyzer [Link](#) | Full-stack | Next.js | Python | Flask | JavaScript | Llama | Git | Sep 2024 – Jan 2025

- Developed logic to **detect toxic clauses** in B2B contracts, providing initiative-taking suggestions for resolution.
- Connected the **Flask server** and front-end via **REST API** and utilized the **LLama API** to deliver a solution.

Why don't you be nice(r)? [Link](#) | Next.js | Chrome Extension | JavaScript | Llama | Sep 2024

- 2nd Place winner**, Presented to Ethical Hackathon.
- Project promoting **positive online interactions** by encouraging reflection before posting harmful comments.

Machine Learning Yard Management System [Link](#) | Full-stack | Next.js | Supabase | YOLO | Git | May 2024 – Jan 2025

- Constructed a **full-stack** web application to display **OCR-extracted data**.
- Integrated **Tesseract** and **AWS-Textract** for an **OCR** solution, reducing transaction costs.

TECHNICAL SKILLS

- Languages:** Python, Java, JavaScript, C++, TypeScript, HTML, CSS
- Frameworks:** Next.js, React, React Query, Flask, REST API
- Tools:** n8n, Supabase, Git, AWS, YOLO, Jira, Linux