JeongJun Song

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EDUCATION

Arizona State University, Ira A. Fulton Schools of Engineering | GPA: 3.76/4.0   **Dec 2025**

B.S. Computer Science | Dean's List (2023-2025) | NamU Scholarship (2023-2025)

WORK EXPERIENCE

ARC Lab Link   **Dec 2024 – present**
Research Assistant | *HPC | Python | Linux | Train | Data Mining | Huggingface |*   Tempe, AZ
- Conducted research under Prof. Ben Zhou, enhancing multilingual capabilities of language models.
- Trained and deployed models in an HPC environment, optimizing efficiency and scalability.
- Led research design and analysis for data mining and model training.

Arizona State University   **May 2024 – Dec 2024**
Research Aide – Software Engineering Role | *Full-stack | Next.js | Supabase | YOLO | Git |*   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.

ELICE   **Jan 2023 – July 2024**
Python & AI Tutor | *Machine Learning | AI | Python |*   Seoul, South Korea
- Taught **Python** and **AI** programming to high school students, focusing on foundational concepts and practical applications.
- Enhanced students' **problem-solving skills** through real-world examples and projects.

NGL Transportation INC   **Jan 2022 – Jan 2023**
Software Engineering Intern | *Machine Learning | Python | Automation |*   Phoenix, AZ
- Developed and optimized a **Yard Management System (YMS)** leveraging **machine learning** for real-time tracking and resource allocation.
- Increased image detection accuracy by **20%** through **YOLOv5** model refinement and **computer vision** techniques.
- Managed **10,000+** daily data transactions using **SQL** and **AWS S3**, ensuring secure, scalable, and efficient data storage.

PROJECTS

Rebil - Startup Link | *Next.js | Supabase | Git | Full-Stack | OAuth | GCP |*   **July 2025 - present**
- Startup development project targeting the vehicle rental market in Indonesia from 0 to 1.
- 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 | GCP | Vector Database | LangChain | AI Agent | LLM |*   **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.

Llama Socrates Link | *Llama | MoE | CoT | FineTune | HuggingFace |*   **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 | HuggingFace |*   **Sep 2024**
- **2nd Place winner**, Presented to Ethical Hackathon.
- Project promoting **positive online interactions** by encouraging reflection before posting harmful comments.

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