

JeongJun Song

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EDUCATION

Arizona State University, Ira A. Fulton Schools of Engineering | GPA: 3.81/4.0 Dec 2025
B.S. Computer Science
Dean's List (2023-2024) | NamU Scholarship (2023-2025)

WORK EXPERIENCE

ARC Lab [Link](#) Dec 2024 - present
Research Assistant Tempe, AZ

- Participating in the ARC Research Lab under **Assistant Professor Ben Zhou** at Arizona State University.
- Leading research on the ability of Large Language Models (LLMs) can independently learn and infer human language when provided with contextual and auditory information.

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 **PostgreSQL** and **AWS S3**, ensuring secure and efficient storage.

PROJECTS

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

- Developing 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.

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

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

Campus Bookstore Website [Link](#) | Full-stack | Agile | JavaFX | PostgreSQL | Git July 2024 – Dec 2024

- Designing and developed a campus-wide e-commerce platform in processing time by applying Agile method.
- Implementing a time-saving searching algorithm and creating UML diagrams and CRC diagrams in Astah.

MindVillage [Link](#) | Full-stack | Next.js | Python | OpenAI API | Git Oct 2024

- Led full-stack development for Hackathon for Humanity, ensuring team requirements and integrating the Gather platform API.
- Integrated with the OpenAI API to implement text-to-voice functionality, creating a podcast tailored to the user's mood.

Why don't you be nicer – Ethical Hackathon 2nd Prize [Link](#) | Next.js | Node.js | Llama API | Git Sep 2024

- Deployed a website and a Chrome extension by integrating REST API, including Hugging Face and LLama.
- Simplifying API call costs by 25% through modified usage.

ACHIEVEMENT

- 2nd Place winner, Ethical Hackathon, Project: Why don't you be nice(r)? Oct 2024
- Participant of Amazon's Campus Summer Series June 2024 – July 2024

TECHNICAL SKILLS

- Languages:** Python, Java, JavaScript, C++, TypeScript, HTML, CSS
- Frameworks:** Next.js, React, React Query, Flask, REST API
- Tools:** Supabase, Git, AWS, YOLO, Jira, Linux
- Skills:** Full Stack Development, Agile, Data Structures and Algorithms, Software Engineering, QA Test, Computer Architecture

MILITARY [Link](#)

Driver and Interpreter, Hanbit Unit 12th Peacekeepers, United Nations (UN), Bor, South Sudan | Jan 2020 - Jan 2021

- Supported UN peacekeeping with logistics, interpretation, and aid for war-affected children during COVID-19.