JeongJun Song

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EDUCATION

Arizona State University, Ira A. Fulton Schools of Engineering | GPA: 3.77/4.0   **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 for enhancing the multilingual abilities of language models.

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

CarePilot Link | Full-stack | Next.js | n8n | AI Agent| OpenAI | Supabase | Git   **May 2025**
- Developed a Medical AI Agent to analyze and summarize patient history, assisting doctors in diagnosis.
- Built the UI with Next.js and created AI workflows using n8n to analyze doctor-patient conversations and medical records.

Business Contract Analyzer Link | Full-stack | Next.js | Python | Flask | JS | Llama API | Git   **Sep 2024 – Jan 2025**
- 2nd Place winner, Ethical Hackathon, Project: Why don't you be nice(r)? Link
- 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.

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 Tessearct and AWS Textract for an OCR solution, reducing transaction costs.

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.

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

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.

VOLUNTEER Link

Volunteer, Arizona State University, T.Denny Sanford School of Social and Family Dynamics   **April 2025 - present**
- Engaged children in various educational and creative activities, fostering their social and cognitive development.
- Collaborated with other volunteers to create a positive, team-oriented atmosphere.