(Jun) JeongJun Song

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EDUCATION

Arizona State University, Ira A. Fulton Schools of Engineering | GPA: 3.87   12 2025

B.S. Computer Science | Dean's List (2023-2024) | NamU Scholarship (2023-2025) | FURI Scholarship (2024)

PROFESSIONAL EXPERIENCE

Arizona State University, Tempe, AZ: Student Researcher   05 2024 - present
- Leading the Vision AI Insights project, optimizing real-time object detection and developing cost-effective OCR solutions using Tesseract and AWS Textract.
- Build a full-stack website leveraging Next.js, Node.js, Supabase, and JavaScript.

NGL Transportation INC, Phoenix, AZ: Software Engineering Intern   01 2022 – 01 2023
- Reduced truck gate processing time to 5-10 seconds with an OCR-based system and improved image detection accuracy by 20% using YOLOv5.
- 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 | Node.js | Python | JS | API   09 2024 - Present
- Developing logic to detect toxic clauses in B2B contracts, providing proactive suggestions for resolution.

Campus Bookstore Website | Full-stack | Agile | JavaFX | PostgreSQL   07 2024 - Present
- Designing and developed a campus-wide e-commerce platform for over 40,000 students to buy and sell textbooks, search algorithm reduces time by 30%.

Machine Learning Yard Management System Link | Full-stack | Next.js | Supabase | OCR   05 2024 – present
- Constructing a full-stack web application to display OCR-extracted data, cutting down end-user task time from 5 minutes to 10 seconds.

MindVillage Link |Full-stack | Next.js | Python | API   10 2024
- Let full-stack development for Hackathon for Humanity, ensuring team requirements were met and integrating the Gather platform API.

Why don't you be nicer – Ethical Hackathon 2nd Prize Link| Next.js | Node.js | API | AI   09 2024
- Deployed a website and a Chrome extension by integrating RESTful APIs, including Hugging Face and LLama, simplifying API call costs by 25% through modified usage.

OCR Container Number Recognition Link | Python | OpenCV | Numpy | Tesseract   01 2022 – 01 2023
- Developed an automated solution using OpenCV and Tesseract to extract container numbers, filtering for specific words, boosting efficiency by 40% and reducing errors.

Achievement

- Participant of Amazon's Campus Summer Series   06 2024 – 07 2024
- 2nd Place winner, Ethical Hackathon, Project: Why don't you be nice(r)?   10 2024

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, Python, C/C++
- **Front-End:** HTML, Tailwind CSS, Next.js, React.JS, React Query, TypeScript
- **Databases:** PostgreSQL
- **Tools & Operating Systems (OS):** Supabase, Node.JS, Git, GitHub , Windows, Linux/Unix