Shunsuke Akiya

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Summary

- Motivated and adaptable software engineer with hands-on experience building and deploying scalable web applications using modern technologies such as Python, TypeScript, and React. Skilled in designing, testing, and optimizing distributed systems for high availability and low latency. Eager to learn new technologies, embrace DevOps practices, and collaborate within diverse, high-impact teams. Passionate about solving complex problems, and contributing to innovative products.

Education

CSU San Bernardino | *Bachelor of Science, Computer Engineering*   San Bernardino, CA (Aug 2021 - May 2025)
- GPA: 3.77 / 4.0 (Magna Cum Laude) | **8x Dean's List**
- Notable Courses: Data Structures and Algorithms, Algorithm Analysis, Platform Computing

Skills

Technologies: React, Next.js, Tailwind CSS, TypeScript, JavaScript, Python, Flask, MongoDB, Git, Figma, Vercel
Concepts: Object-Oriented Programming, Data Structure and Algorithms, Full-Stack Development
Languages: English (Native), Japanese (Business-level)

Professional Experience

Software Engineer | *Autumn Valley International, Inc.*   La Quinta, CA (Dec 2024 - Jan 2025)
- Produced a user-centric company website, prioritizing engagement and interactive features using React, TypeScript, and Tailwind CSS.
- Embedded EmailJS and i18next, expanding global accessibility through streamlined email and multilingual functionality.
- Incorporated a dynamic globe feature to visually display all exported locations, enhancing website interactivity.

Software Developer Intern | *LOGISTEED Solutions America Ltd.*   Torrance, CA (Jun - Aug 2024)
- Developed a Full-Stack worklog application using Svelte, Flask, and MySQL for database management, enhancing company-wide productivity and streamlining task management processes.
- Integrated Login Authentication, CRUD functionality, and designed an intuitive UI using Tailwind CSS, elevating overall UX and data security.
- Optimized application performance and scalability through effective system design and implementation.

Summer Camp Mentor | *EV3 & NXT Mentor for Robotics Summer Camp*   Palm Desert, CA (Jun - Jul 2018)
- Led interactive STEM activities, instructing elementary students in programming and robotics fundamentals, while promoting technological literacy and problem-solving skills through hands-on demonstrations and collaborative projects.

Relevant Projects

Secure Access Lock System with NFC and Biometrics | *Senior Project*   San Bernardino, CA (Aug 2024 - May 2025)
- Deployed a user-friendly web app using Next.js, Typescript, and Tailwind CSS that interfaces with a Raspberry Pi to control a custom made smart lock.
- Engineered the authentication system for the lock using MongoDB to manage user credentials, along with secure API communication between a front-end and a back-end for fingerprint and NFC access control.
- Integrated a multi-platform system with a modern web interface using Tailwind CSS, ensuring a seamless and intuitive UX.

Ponder | *A fast, simple and lightweight dictionary app*   San Bernardino, CA (Feb 2025 - May 2025)
- Developed a modern, clean, and user-friendly interface using Next.js, TypeScript, and Tailwind CSS, elevating user experience through intuitive design principles.
- Connected Merriam-Webster, GNews APIs and Cheerio to deliver accurate definitions, examples, and efficient web scraping, providing comprehensive content.
- Crafted a modern, clean, and user-friendly interface, elevating user experience through intuitive design principles.

3 Search Algorithm Project | *DSA Course Java Project*   San Bernardino, CA (Fall 2023)
- Designed graph search algorithms (DFS, BFS, A* Search) in Java to enable efficient traversal and pathfinding solutions.
- Applied object-oriented programming principles like abstract classes, interfaces, and inheritance to structure scalable and modular code architecture.
- Developed pathfinding solutions for Maze and Sliding Puzzle environments to demonstrate practical applications of search algorithms in problem-solving.