

Shunsuke Akiya

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Summary

- New grad student with experience building responsive React and Next.js applications using TypeScript and JavaScript. Strong foundation in frontend development and API integration, with a commitment to learning advanced state management and testing tools to deliver high-quality, maintainable code. Collaborative and adaptable, eager to contribute to impactful projects that solve real-world problems.

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

Front-End Developer | Autumn Valley International, Inc.

La Quinta, CA (Dec 2024 - Jan 2025)

- Produced a user-centric company website, prioritizing engagement and interactive features.
- 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 with React, TypeScript, and Tailwind CSS.

Software Developer Intern | LOGISTEED Solutions America Ltd.

Torrance, CA (Jun - Aug 2024)

- Engineered a worklog application, 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.
- Implemented a Full-Stack system with Svelte for the Front-End, Flask for the Back-End, and MySQL for database management, optimizing application performance and scalability.

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 - Present)

- 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 - Present)

- Crafted a modern, clean, and user-friendly interface, 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.
- Constructed using Next.js, TypeScript, and Tailwind CSS; future iterations aim for scalability with potential MongoDB integration to enhance data management.

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.