

Shunsuke Akiya

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Education

CSU, San Bernardino | *Bachelor of Science, Computer Engineering* San Bernardino, CA (Fall 2021 - Spring 2025)

- GPA: 3.76 / 4.0 (Magna Cum Laude) | 8x Dean's List
- Notable Courses: Platform Computing, Algorithm Analysis, Data Structures and Algorithms

Skills

Technologies: React, Typescript, JavaScript, Next.js, Tailwind CSS, Python, MySQL, MongoDB, Git, Figma

Concepts: OOP, DSA, Full-Stack Development (Front-End, Back-End, Database)

Languages: English (Native), Japanese (Business-level)

Professional Experience

Front-End Developer | *Autumn Valley International, Inc.* La Quinta, CA (December 2024 - January 2024)

- 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 (June - August 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 (June - July 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 (Fall 2024 - Present)

- Deployed a user-friendly web app using Next.js, Typescript, and Tailwind CSS that interfaces with a Raspberry Pi to control a 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 (February 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.