

JOHNY HSIEH

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Driven AI and software engineering student with a strong background in developing innovative AI-powered educational tools, full-stack web applications, and scalable software solutions. Proficient in Python, OpenAI APIs, React, and Flask, showcasing a solid technical foundation complemented by proven leadership and creativity. Recognized for delivering award-winning projects that demonstrate technical expertise and a commitment to enhancing user experiences. Eager to leverage skills in a dynamic environment that fosters growth and innovation.

Websites, Portfolios, Profiles

- [Personal Website](#)
- [Github](#)

Education

Associate of Science in Computer Science *Expected in May 2027*

Mt. San Antonio College, Walnut, CA

High School Diploma *May 2026*

Diamond Bar High School, Diamond Bar, CA

- Honoree of Brahma Tech Academy

Skills

Programming Languages

- JavaScript
- Python • Data Structures & Algorithms
- Java • OpenAI API
- React

Software Engineering

- Full Stack Development

Frameworks & Technologies

- Flask
- Git
- Tailwind CSS
- Object-Oriented Programming
- Vite

AI & Machine Learning

- Prompt Engineering
- Machine Learning Fundamentals
- Large Language Models (LLMs)

Experience

AI Software Developer *February 2025 – May 2026*

FBLA AI Study Platform, Diamond Bar, CA

- Developed and deployed an educational platform using React, Flask, OpenAI API, and SQL, serving 1,000+ students preparing for FBLA competitions.
- Engineered AI-driven quiz generation and personalized study workflows to improve learning efficiency and student engagement.
- Designed and developed full-stack application architecture, integrating frontend, backend, and database components.
- Deployed, maintained, and enhanced platform functionality through continuous software development and performance optimization.

Lead Software Developer *June 2024 – December 2024*

LinkedIn, Diamond Bar, CA

- Led development of an award-winning bilingual educational application featuring an AI-powered chatbot and academic performance analytics.
- Engineered full-stack functionality using React, Python, and Llama API integrations to deliver personalized educational support.
- Built interactive data visualization tools that enabled students to analyze grade trends and track academic progress.
- Won the Congressional App Challenge (2024–2025), recognizing innovation in software development and educational technology.

Web Development Head Intern *October 2024 – April 2025*

WPrime Sports, Diamond Bar, CA

- Developed and deployed a responsive company website using React and Next.js, delivering an improved user experience across devices.

- Engineered SEO and performance enhancements that increased online visibility by 40% and reduced page load time by 30%.
- Partnered with company leadership to redesign site architecture, streamline navigation, and improve user engagement.
- Contributed throughout the software development lifecycle, from planning and implementation to testing and production deployment.

Head Engineer Intern *June 2025 – August 2025*

LA Metro, Diamond Bar, CA

- Developed transit station layouts and infrastructure models using Autodesk Fusion 360 to support transportation planning and engineering projects.
- Produced detailed 3D visualizations and CAD designs for project evaluation, design validation, and stakeholder communication.
- Assisted engineers in preparing technical documentation, design presentations, and project recommendations.
- Leveraged engineering design, modeling, and analytical skills to solve real-world infrastructure development challenges.

Web Developer / Tech Lead *March 2024 – January 2025*

Silver Tech, Diamond Bar, CA

- Developed and deployed a nonprofit website focused on improving technology accessibility for older adults.
- Designed responsive and accessible user interfaces across 5+ core pages to improve usability on desktop and mobile devices.
- Collaborated with nonprofit leadership and volunteer contributors to expand digital outreach and strengthen community engagement.
- Contributed to frontend and backend development efforts, delivering a reliable and user-centered web platform.

Founder & President *June 2023 – May 2026*

DB Hackathon Club, Diamond Bar, CA

- Founded and served as President of the school's largest hackathon organization, growing participation to over 200 students.
- Planned and executed hackathons, coding competitions, and technical workshops focused on software engineering, artificial intelligence, and innovation.
- Taught Python, JavaScript, and React through hands-on workshops, helping students develop practical programming skills.
- Built and maintained the club's website, registration platform, and technical infrastructure to streamline event management and resource distribution.

Languages

English Chinese (Mandarin)

AWARDS

Congressional App Challenge Winner, USACO Silver, ACSL Finalist, FBLA Website Coding & Development 3rd Place, FBLA Mobile App Development 2nd Place