Brandon Diep

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EDUCATION

California State Polytechnic University, Pomona — Pomona, CA
Master of Science in Computer Science — *Aug 2024 – May 2026*

California State Polytechnic University, Pomona — Pomona, CA
Bachelor of Science in Computer Science, GPA 3.8 — *Aug 2020 – May 2024*

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, HTML, CSS, SQL
Frameworks: React, Next.js, Node.js, Express.js, Tailwind CSS, Bootstrap, WordPress
Developer Tools: Git, Jira, VS Code, Eclipse, PyCharm, MongoDB, MySQL, PostgreSQL, Postman, AWS

EXPERIENCE

Software Engineer Intern — June 2025 – Aug 2025
Major League Baseball — *New York, NY*

- Modernized the MLB search results footer across **30** team pages by integrating **Apollo Client/Provider**, enabling real-time data fetching and scalable prop passing for the new Footer and future components.
- Updated project dependencies, such as **React** and **styled-components**, improving maintainability and alignment across the platform.
- Resolved styling regressions caused by major updates, restoring layout consistency and visual integrity across multiple views.
- Collaborated with team members through **code reviews** and iterative updates, ensuring quality contributions to our codebase.

Full-Stack Web Developer Intern — Sep 2024 – Feb 2025
PROJXON — *Remote*

- Spearheaded a dynamic website with **Express.js** and **Node.js** backend, integrating blog data seamlessly into a **React** frontend.
- Created reliable **RESTful APIs**, increasing data processing speed by **20%** and improving the performance.
- Deployed and managed applications on the cloud using **AWS S3** and **EC2**, resulting in reduced operational costs.
- Led a small team of interns to build a modern, **responsive** landing page for a Data Analytics Association with React and **Tailwind CSS**.

PROJECTS

PlatePilot | *Next.js, TypeScript, Prisma, Supabase, Tailwind CSS* — Aug 2025

- Built an AI-powered application using prompt engineering to generate recipes based on the ingredients provided by the user.
- Implemented Auth.js, including Google and GitHub OAuth authentication, allowing users to save their recipes.

SentiMusic | *React, Express.js, Node.js, Tailwind CSS* — Dec - Jan 2024

- Developed a mood-based music recommendation system using **OpenAI API** to analyze user emotions and generate personalized music genres.
- Integrated the **Spotify API** to retrieve and display song recommendations based on the generated genres.
- Enabled users to add recommended songs to custom playlists and sync them directly with their Spotify accounts using **OAuth** authentication.

B-commerce | *React, Express.js, Node.js, MongoDB* — June 2024

- Created a full-stack e-commerce site simulating user workflows, including product search, purchase, and cart management.
- Implemented user authentication using **JWT** and integrated REST APIs for external product data and services.

Civil Engr. Faculty Search Engine | *HTML, CSS, JavaScript, Flask, Python, MongoDB* — May 2024

- Engineered a Python-based search engine using **BeautifulSoup and scikit-learn** to crawl, parse, and rank civil engineering faculty documents from Cal Poly Pomona.
- Collaborated on UI design to display ranked search results, ensuring a user-friendly interface for relevant data retrieval.