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, Node.js, Express.js, Next.js, Tailwind CSS, Bootstrap, WordPress
Developer Tools: Git, VS Code, AWS, Eclipse, PyCharm, MongoDB, MySQL, PostgreSQL, Postman

EXPERIENCE

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 enhancing the overall system performance.
- Deployed and managed applications on the cloud using **AWS S3** and **EC2**, resulting in reduced operational costs.
- Led a team of interns to build a modern, **responsive** landing page for a Data Analytics Association website with React and **Tailwind CSS**, contributing to a partnership with DataCamp.
- Collaborated effectively alongside developers and project managers using **Agile** methodologies to accelerate product delivery, achieving a **65%** faster delivery time.

PROJECTS

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
- Developed 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.

MovieTime | *HTML, CSS, JavaScript, Express.js, Node.js, MongoDB,*   March - May 2024
- Created a full-stack movie review application using **MVC architecture** and **CRUD operations**, enabling user profiles, review sharing, and follower features, with data stored in MongoDB.
- Built **REST APIs** with Express.js to fetch movie data from TMDB and deliver it dynamically to the frontend.

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

VOLUNTEERING

48in48 Global Event - Zaban Paradies Center | *Remote*   October 2023
- Leveraged HTML and CSS web development skills to build a quality website and create tailored solutions that met the nonprofit organization's specific requirements.
- Applied Agile methodology for project management during intensive event.