David Jeong

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WORK EXPERIENCE

Blue Mountain   **June 2023 – August 2023**
Software Engineer Intern   *Palo Alto, CA*
- Engineered a data integration solution for private healthcare practices, centralizing patient data from 10+ diverse sources using MySQL and Node.js
- Created and deployed automation scripts (triggered and drip sequences) with Nodemailer, enhancing outreach efficiency by automating 40% of responses
- Designed and implemented a geovisualization tool to map patient locations using Leaflet.js and D3.js for targeted advertising campaigns

Kay Family & Cosmetic Dentistry   **June 2022 – December 2022**
Web Developer   *Fremont, CA*
- Developed and deployed a dynamic website for a dental practice integrated with external APIs
- Launched over 10 feature updates within six months following initial release based on client feedback
- Designed responsive landing pages for Google Ads campaigns and optimized ad spending, resulting in a 32% increase in conversion rates

PROJECTS

Website Portfolio | *Vite, React, Typescript, Tailwind*
- Built a personal website, concurrently updating with any recent projects, resume, blogs, and creative work

Dropshipping Verification App | *Python, OpenCV, React, Javascript, Node.js, Postgres*
- Developed an application that verifies potential drop shipped products on e-commerce platforms
- Designed an algorithm for tagging product credibility, leveraging SERP API data with image matching
- Built a user interface using React and Tailwind for the frontend— Node.js and Postgres for the backend

Pulse Music | *Python, Swift, SQL, Postman*
- Collaborated with developers to develop a full-stack iOS Spotify app that displays a location-based chart of the most popular songs in the user's current area
- Implemented the backend using SQLAlchemy and REST API to retrieve from Spotify's API and was then launched using Heroku and Postman

Automated File Organizer | *S3, RDS, Lambda*
- Developed an AWS application that automatically categorizes and organizes user files into folders by analyzing file metadata
- Utilized S3 buckets for file storage, RDS for data persistence, and AWS Lambda functions for automated file processing and organization

Habitu | *Java, Apache, MySQL*
- Coordinated with developers to build a subleasing platform for college students with 3-tier architecture
- Utilized a frontend served by Apache to streamline property listings and user authentication, and MySQL for managing the backend database

EDUCATION

Cornell University   Ithaca, NY
Bachelor of Arts in Data Science & Minor in Computer Science   *August 2020 - May 2024*

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, TypeScript, Java, C, SQL, HTML, CSS
- **Frameworks & Libraries:** Vite, React, Node.js, D3.js, Tailwind CSS, Framer Motion, Pandas
- **Tools & Platforms:** Git, GitHub, MySQL Workbench, Postgres, AWS (S3, RDS), Postman, Docker
- **Skills:** Web Development, Web Scraping, Data Analysis