David Jeong

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WORK EXPERIENCE

Blue Mountain   **June 2023 – August 2023**
Software Engineer Intern   *Palo Alto, CA*
- Engineered ETL pipelines using Python and SQL to aggregate consumer data from 6+ healthcare systems into a centralized data warehouse, processing 5K+ records
- Developed a full-stack analytics platform with React, Node.js, and a RESTful API, delivering real-time geo-analytics and demographic insights, driving 7+ marketing campaigns with 27% engagement gains
- Deployed automation scripts for triggered and drip email sequences, boosting outreach efficiency by automating 40% of patient engagement responses

Kay Family & Cosmetic Dentistry   **June 2022 – December 2022**
Web Developer   *Fremont, CA*
- Built a dynamic website for a dental practice, integrating EHR APIs to push appointment scheduling data
- Delivered over 10 feature updates in six months using Agile, enhancing UX based on consistent feedback
- Designed responsive landing pages for Google Ads and optimized ad spending via A/B testing, resulting in a 22% 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

Kanban Board | *React, Node.js, Javascript, PostgreSQL*
- Developed a dynamic Kanban board using React, featuring real-time task editing, task prioritization, drag-and-drop functionality, and automated status tracking
- Integrated a RESTful API with Node.js and Express, PostgreSQL for data persistence and storage, and Tailwind for custom responsive components

Pulse Music | *Python, Swift, SQL*
- 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

Film Revenue Analysis | *Python, NumPy, pandas, seaborn, Matplotlib*
- An analytical study to determine how to maximize profit when pitching a new film project
- Scraped and cleaned thousands of data observations from the web into a categorized database with attributes such as budget, target demographic, and runtime
- Trained Regression models to generate predictions on revenue based off of inputted film attributes

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 Information Science and Minor in Computer Science   *2020 - 2024*

TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript, TypeScript, C, SQL, HTML, CSS
- **Frameworks & Libraries:** Vite, React, Express, Node.js, Tailwind CSS, Pandas, Matplotlib
- **Tools & Platforms:** Git, GitHub, Jira, MySQL, Postgres, AWS (S3, RDS), Postman, Docker, VSCode
- **Skills:** Web Development, Web Scraping, Database Design, Data Analysis, Graphic Design