Vince Dinh

(616) 822-8555 ● La Mirada, CA ● vincekhdinh@gmail.com

Website: https://vincedinh.github.io ● Github: https://github.com/vincedinh

EDUCATION

University of California, Santa Cruz — Graduated June 2023

Computer Science B.S. and Business Management Economics B.A. | **GPA**: 3.69/4.0

- ◦ **Courses**: Full Stack Web Development I & II, Data Structures & Algorithms, Principles of System Design (Operating Systems), Computer Graphics, Database Systems, Marketing, E-Commerce Strategy
- ◦ **Activities**: HackMIT; CruzHacks; CalHacks; Phan Boi Chau Youth for Democracy (President), Food Not Bombs

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6)/Typescript, HTML, CSS, C, C++, SQL, Java

Technologies & Frameworks: Node.js, Express, React, PostgreSQL, REST, GraphQL, Nginx

Tools: Git, AWS, Docker, Bash, Agile/Scrum, Jira, Confluence, Perforce, Google Ads (Search & Measurement certified)

EXPERIENCE

Software Engineer Intern — June 2022 - September 2022

Spirent Communications | San Jose, CA

- ◦ Used ~100 customer test cases to develop a Drools BRMS (Java) framework and expert system for root cause analysis
- ◦ Employed Apache POI (Java) to extract and parse data related to operational metrics from ~100 client user reports
- ◦ Implemented API enabler to overwrite default behavior for MSRP nodes, so they can initiate *or* be passive in connections
- ◦ Increased debugging efficiency by 20% for team of 9 by writing script (Python) to parse errors from verbose build logs

AI/ML Lab Researcher — March 2021 - June 2021

UCSC Tech4Good Lab | Santa Cruz, CA

- ◦ Researched machine learning algorithms for classification tasks to build model categorizing web development queries
- ◦ Utilized Doc2Vec to implement feature selection and a logistic classifier (Python & gensim) for model
- ◦ Trained ML model on training set of ~1000 Stack Overflow web dev queries as data points, pickling data afterwards
- ◦ Reached 80% prediction accuracy after implementing L2 regularization and adjusting weights

Central Processor and Receptionist — July 2020 - September 2020

Western Resources Title | Orange, CA

- ◦ Assisted 10+ field agents by enhancing client satisfaction by 20% in Greater L.A., Bakersfield, and San Diego regions
- ◦ Trained incoming team with data scanning techniques to increase document processing throughput by ~100%

PROJECTS

Zodify - Full Stack Responsive Web App (JavaScript, Node, Express, React, PostgreSQL, AWS) — October 2023

- ◦ Generates a Vietnamese zodiac animal based on weight algorithm using client's top 10 artists pulled from Spotify API
- ◦ Deployed on https://zodify-app.com using AWS EC2 and Nginx for a reverse proxy server for the frontend
- ◦ Docker-containerized backend used to configure API endpoints for the 12 zodiac's genre relations stored on AWS ECR
- ◦ Frontend built using React and Bootstrap for styling a single page application with 5 routes and client-side rendering

SlugSwap - Full Stack RWD Buy/Sell Web App (TypeScript, Next, Express, React, PostgreSQL) — March 2023

- ◦ Built product category microservice with REST API methods, extrapolated from monolithic architecture for efficiency
- ◦ Spearheaded admin app development, implemented banning users and integrated editing for product categories
- ◦ Implemented search bar functionality for catalog of ~50 products (title & category filter) and user dropdown menu
- ◦ Localized app for 2 different languages (English and Spanish) and designed visual color theme with 2 primary hues

Animated 3D Graphic Scene (JavaScript - ES6, Three.js) — December 2021

- ◦ Employed WebGL and Three.js to render an in-browser scene of a city with 2 controllable cameras (OrbitControls.js)
- ◦ Applied matrix/vector transformations to render ~40 shapes and form more complex objects alongside imported models
- ◦ Used 4 unique Three.js light objects to render diffuse, ambient, and spectral lighting; implemented time based animations

Google Nonprofit Marketing Immersion Program (Google Ads) — May 2023 - June 2023

- ◦ Launched & managed 3 ad campaigns for nonprofit women empowerment client maintaining 5.78% CTR on average
- ◦ Found faulty conversion tag & worked with webmaster to increase donation conversion rate by 4.77 percentage points
- ◦ Reduced keyword listings from ~300 to ~30 per campaign, applying long-tail marketing for granular audience targeting

LEADERSHIP

Alpha Phi Omega, Alpha Gamma Nu Chapter (Co-ed Service Fraternity) — September 2019 - June 2023

Pledge Educator (Fall 2022), *Vice President of Membership* (Fall 2021), *Vice President of Leadership* (Spring 2020, Fall 2020)

- ◦ Deployed automated email writing script (Python, smtplib) to notify new members and source local service opportunities
- ◦ Trained ~20 new members (Fall 2022), receiving nationally recognized Pledge Program of Excellence award
- ◦ Improved active member retention rate by 20 percentage points, 70% to 90% (Fall 2021)
- ◦ Organized, directed, and fundraised ~$12000 for 2 chapter banquets for 50+ members and alumni to network