ALEX VINCENT-HILL
SOFTWARE ENGINEER

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EXPERIENCE

2018-2020 | **Zume Inc.** | *Software Engineer* | San Francisco, CA
- Led development of component library in Vue.js with PMs and designers
- Reduced project build time by 75% with parallelization of testing/linting processes and dependency caching
- Identified and fixed security policies in SonarQube and JIRA deployments
- Chartered company Toastmasters club, recruited 35 members and was elected President

2017-2018 | **Fetch** | *Solutions Engineer* | San Francisco, CA
- Saved $2M in labor costs by automating media-buying across Google and Facebook ads platforms with React and VBA applications
- Designed application frontends for internal and outsourced users
- Documented processes and outsourced 5 media operations FTEs
- Spearheaded the creation and instruction of MS Excel VBA curriculum to 75 staff in SF, LA, and London offices to amplify staff productivity

2014-2017 | **HP Inc.** | *Process Engineer* | Corvallis, OR
- Developed next-generation inkjet manufacturing methods by A/B testing hybrid laser-wet etch processes
- Integrated new $3.2M silicon etch tool to improve quality of printer production volume and increase throughput

2014-present | **Freelance** | remote
- Expanded client's userbase by 300% in 1 year by optimizing Google Ads
- Designed woot.com products with ~3,000 total sales worldwide, ~$50k total revenue

EDUCATION

2014 | **University of California, Berkeley** | B.S. Chemistry

PERSONAL

- Became conversational in Spanish after studying in Granada, Spain
- Traveled to 25 countries

TECHNICAL SKILLS

Strong: JavaScript/ES6/Node.js, CSS 3 (Grid, Flexbox), React, Redux, Vue.js, Bash, Zsh, Git, Jest, PostgreSQL, Ubuntu Linux

Experienced: Express, Vuex, MongoDB, MySQL, HTML 5, AWS (EC2, S3, Route 53, CloudFront, ELB), GCP/GCR, Spinnaker, Docker, Jenkins, CircleCI, Codeship, Kubernetes, Webpack, Babel, npm, yarn, jQuery, SQL, TypeScript, Python, Java, VBA, Mocha, Chai, Cypress, Enzyme, Puppeteer, Stryker-Mutator, Grunt, Storybook, Auth0, Kafka, RabbitMQ, LaunchDarkly, Segment.io, Tableau Server, Google Ads, JIRA, Trello, PagerDuty

PROJECTS

SoundScale | SoundCloud-like media application
- Increased throughput by 70% to 580 rps by horizontally scaling microservice proxy layer with AWS EC2s/ELB
- Reduced query time of 60M PostgreSQL records by 90% to 2.7ms by indexing on foreign key
- Stressed and analyzed architectures with loader.io, Artillery, and New Relic to identify performance bottlenecks

Parmezon | Amazon-like eCommerce site
- Deployed Dockerized 'Reviews' React.js/Express microservice to AWS EC2 VM to decouple functionality
- Designed proxy REST API to serve distributed architecture of component microservices
- Achieved 80% test-coverage with Jest/Enzyme to ensure component reliability

fizzbang | OOP React.js browser game with procedurally generated game boards

gitstorm | NLP interface for git and bash with Google Dialogflow and Node.js

Particle Simulation | Physical chemistry OOP 3D particle sim in Java

https://hireavh.com | Portfolio website in React.js deployed on AWS S3, Cloudfront