

# 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://avh.party** | Portfolio website in React deployed on AWS S3