

Alex Quang

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Portfolio: alejandroquang.com

LANGUAGES AND TECHNOLOGIES

- **Proficient:** JavaScript, AngularJS, jQuery, Node.js, Express, PHP, Python, SQL, SQLite, MongoDB, Git, Heroku, AWS (EC2, Lambda), Gulp, HTML5, CSS3, Sass, Twitter Bootstrap
 - **Exposure:** Flask, Django, Laravel, CodeIgniter, Webpack, React, PostgreSQL, Materialize CSS
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PROFESSIONAL EXPERIENCE

Contract Developer | [FMFA](#) | San Jose, CA

2016 - 2016

- Followed scrum agile development on team of 7 engineers, which involved standups and version control with Git.
 - Developed client-side bike donation portal using AngularJS to handle customer base of 4,000+ unique users.
 - Built mobile responsive layout using CSS3 media queries, Bootstrap, and HTML5 to ensure device compatibility.
 - Utilized AngularJS \$http service to facilitate RESTful communication between front-end factories and controllers with a Ruby on Rails back-end and PostgreSQL database.
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RECENT PROJECTS

Software Engineer | [Safe Steal](#) | [code](#)

2016

Custom Amazon Echo skill which allows the Echo to make 911 calls in the case of a home invasion using specific phrases.

- 1st place winner of invite-only IOT for Cities Hack-a-thon Amazon Challenge that had 200+ attendees.
 - Mapped utterances and intents to create interaction model for emergency recognition using AWS Lambda, Amazon Echo Developer Portal and JavaScript.
 - Engineered 3 intent handlers for the Echo to recognize home invasions using Alexa Skills SDK and JavaScript.
 - Automated 911 calls and sent preconfigured emergency text messages using the Twilio API in a Node.js server.
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Software Engineer | [Crime Map](#) | [live](#) | [code](#)

2016

Tool to empower citizens and the general public with visual information on recent local crimes and accompanying statistics.

- Integrated Crime Data, Counted and Google Maps API into Node.js and Express backend to gather crime statistics based on specific user entered location, and properly map it using GeoJSON data.
 - Reduced front-end codebase by ~10% by creating AngularJS directive to componentize Google Map creation.
 - Constructed Gulp buildfile to transpile Sass, concatenate files, and minify JavaScript to automate the build process and to improve page load speed times by 20 - 25%.
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Software Engineer | [MunchBunch](#) | [code](#)

2016

Ride-sharing meal service for software engineering students to quickly organize lunchtime outings with different drivers.

- Created join and add features with PHP and CodeIgniter to allow students to participate in and schedule rides.
 - Used MaterializeCSS to design the UI/UX of the platform following Google's material design principles.
 - Architected MySQL DB schema with 5 tables to store users, orders, and rides, establishing one-to-many, and many-to-many relationships, and writing custom SQL queries to access the data.
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Software Engineer | [Blogg.er](#) | [live](#) | [code](#)

2016

Blogging platform designed with a clean UI to enable internet writers to quickly and easily upload new content to their site.

- Rendered front-end views and established backend routes to communicate with PostgreSQL DB using PHP and Laravel to establish user-based blogging functionality and save posts.
 - Implemented JavaScript TinyMCE to create an admin text editor to allow for greater flexibility for new blog posts.
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EDUCATION

University of California, Santa Cruz *B.A. Physical Anthropology*
Coding Dojo *Certificate of Program Completion*

2015
2016

AWARDS

Winner of Amazon Challenge (1st Place), *IOT for Cities Hack-a-thon*

2016