

ANDY KHONG

SOFTWARE ENGINEER

✉ andkhong@gmail.com ☎ 714 495 1845 in ankhong 🌐 andkhong

SKILLS

ADVANCED: JavaScript (ES6/7), React, Flux / Redux Patterns, MobX Patterns, Node, React Native, Express, AJAX, REST API, Webpack, Babel, Git / Github, HTML5 / CSS3, LESS/SASS, jQuery, Heroku

STRONG: GraphQL, Typescript, Flow.js, PostgreSQL, MongoDB, AWS, Python

EXPERIENCE

Hexa Inc. (Mobile Payment Processing App) - Oakland, CA

Apr 2017 - May 2017

Contract Software Engineer

- Refactored React Native codebase into robust, reusable components & migrated patterns to Redux
- Discovered PCI DDS & HIPAA security flaw & designed security patterns
- Improved technical documentation & pioneered best development practices
- Added Referral UI screens & stored generated user unique referral code into database

Gourmet Tech. (Front End as a Service) - San Jose, CA

Jan 2017 - Apr 2017

Software Engineer

- Built in-house Node CLI tools to test cloud infrastructure on both Mac & Windows OS
- Developed cloud applications with React & Javascript Web technologies on AWS S3 & Heroku
- Wrote technical documentation in order to convey complex information concisely for developer audience

Khong Consulting Inc.

Jan 2016 - Current

Lead Software Engineer

- Designed & developed web/mobile applications to suit client's technical needs with modern web stack
- Developed search tools for DICOM files & JS/PY/RB/etc. script files with Node
- Built anti-troll chat bot on Reddit that spams targeted troll
- Deployed Instagram layout preview app that is able to scrape any Instagramer's public feed (2000 monthly visits)
- Built anti-human trafficking search tool that differentiates trafficking rings & independent individuals

AWARDS

\$5000 AT&T Digital Life Home Automation Challenge Winner

Jul 2016

Awarder: AT&T

- Developed software that notifies emergency authorities when person speaks key words into a microphone

OPEN SOURCE PROJECTS

Refresh | Image Filter Editing Web App

Feb 2017

- Implemented Redux patterns with CSS Image Filter properties to build a responsive image editing web application
- Secured generated images with unique token URL & cleared images from server's disk after download occurs
- Converted images to buffer and processed image with Image Processing library with Async promise patterns

gTerm | Terminal Visualization Tool

Jan 2016

- Developed a terminal emulator that visualizes users' Linux and Git commands with Electron, D3, and React
- Optimized application performance and reduced CPU consumption by 90% by spawning Node child process
- Resolved React/D3 DOM manipulation conflicts by delegating element updates to React, and styling to D3

EDUCATION

University of California, Santa Barbara

Statistical Science B.S. 2014

Applied Concentrated Statistics

Codesmith

Jan - Apr 2016

Immersive full stack engineering program with 3% acceptance rate