Andrew Hannebrink

Truckee, CA
(650) 888 - 6552
andrewhannebrink@gmail.com

LinkedIn: linkedin.com/in/andrewhannebrink   **GitHub:** github.com/andrewhannebrink   **Portfolio:** andrewhannebrink.com

TECHNICAL SKILLS

Languages and Frameworks: JavaScript (ES5-ES2017, Angular 1-5, TypeScript, React, Node.js, Express, D3.js, jQuery), Python (Django), CSS3 (Sass, Grid, FlexBox), HTML5 (Canvas, Jade, Soy), SQL, MongoDB, Redis, C++, Java, MATLAB, R
Environments: Ubuntu, OSX, Chrome Dev Tools, Bash, AWS (EC2, Route-53, S3), Docker, VirtualBox, Adobe PhoneGap, Ripple Mobile Emulator, Jenkins, VIM, PhpStorm, Eclipse, Visual Studio, Grunt, Gulp, JSHint, Jasmine, Electron, Firefox

EMPLOYMENT HISTORY

Front-End Software Engineer | Zoosk | San Francisco, CA   2016-2017
- Rapidly delivered features for the world's 2nd largest dating platform with Angular, Node.js, and Google Closure UI/Library for desktop and mobile browsers in a continuous integration development cycle.
- Implemented country-specific UI experiments that simplified profile interactions and improved user experience, resulting in 30% more accepted greetings, and 7% more bookings.
- Led technical makeover of our Help Center which curtailed customer support emails, saving us from hiring a full-time employee, while still dynamically supplying users contact methods in 23 languages across 39 locales.
- Won 1st place in company Hack Day by allowing users to donate to charities during special in-app purchases.

Front-End Software Engineer | Net Power & Light (Acquired by Wickr) | San Francisco, CA   2016
- Worked in a 6-engineer team to develop a web and iOS app for video conferencing, live document and image sharing, and synchronized video streaming using AngularJS, WebRTC via Licode, and UI-Bootstrap.
- Greatly reduced vectors for XSS attacks by 99.9% by architecting app-wide form validation using combination of custom and existing Angular directives for sanitizing inputs and whitelisting characters.
- Followed JavaScript OOP principles to create module for panning and zooming through content in real time.
- Migrated front-end build and unit test processes from Grunt to Gulp, enabling us to build with ES6 via Babel.

Software Engineer | Twin Prime | Redwood City, CA   2014 - 2015
- Saved company ~$20,000 yearly by improving internal response time to key customer events through Jenkins monitored email report system with a Python script pulling data from MongoDB, PostgreSQL, and AWS S3.
- Reduced load times from >20 seconds to <1 second for clients with ~100gb of data by deploying Redis caching layer to decrease page load-time due to costly SQL queries.

Assistant UNIX Systems Administrator | Washington University, St. Louis, MO   2013 - 2014
- Architected fully automated Python/MySQL system for parsing daily Infoblox DHCP log files, dynamically tracking ACK events, deleting old records and extending captive portal leases by 3 months with Infoblox API.
- Wrote server-side scripts for monitoring, recording and searching when/where a user is logged into campus access points (Cisco or Meru), using Python, crontab, and SQLite3, saving the school ~$25,000 annually.

RECENT PROJECTS

Software Engineer | Emoji Data Visualizer | live   2016 - Present
- Graphically illustrated real-time emoji combination usage on Twitter with D3, Twitter API, Mongo, and Express.

Software Engineer | Emoji Twitter Bot | live   2015 - 2016
- Engineered high-traffic Twitter bot (~15k tweets/month, >190k lifetime tweets, >18k followers) that processed emoji photo-mosaics of each image tweeted to it using Python Imaging Library and npm Twit module.

Software Engineer | Photo-Mosaic Video Generator | live   2014
- Produced original video content for Blackdove motion art platform and product launch at Miami Art Basel '14.
- Constructed Python software for re-editing mp4s as photo-mosaic videos with ffmpeg and Python PIL module.

EDUCATION

B.A Computer Science & B.A Math (Statistics and Probability), *Washington University in St. Louis, MO*   2013