

# Jeffrey Chuc

github.com/jeffreychuc  
linkedin.com/in/jeffrey-chuc  
jchuc.me

1170 Arbol Way • San Jose, CA 95126  
(408) 768-4571 • jeffreychuc@gmail.com



## SKILLS

Experience with: JavaScript, Ruby, Ruby on Rails, jQuery, React.js, React Native, Redux, SQL, Git, HTML5, CSS3, OOP, TDD, Webpack, RESTful APIs, Arcanist, Phabricator

Familiar with: Express, NodeJS, MongoDB, Python

## PROJECTS

### NeverBlank

**Live:** neverblank.jchuc.me  
github.com/jeffreychuc/NeverBlank

*Faithful clone of popular organizational app Evernote.*

#### Rails, React.js, Redux, Postgres

- Implemented a secure user information and data storage design pattern by encrypting user information and deploying protected routes.
- Integrated external React Quill Library to allow users to create/edit/save rich formatted text.
- Enabled Notebooks and Tags to allow users to further organize saved notes.

### CoinStats

**Live:** coinstats.jchuc.me  
github.com/jeffreychuc/CoinStats

*A single page web application that helps users visualize current up to date cryptocurrency market data.*

#### Vanilla JS, CSS, ChartJS

- Implemented dynamic caching of live data without a backend server via JSONBin API.
- Designed and deployed a dynamic display of user requested data via ChartJS graphing library.
- Utilized NewsAPI to request and display to the user multiple news articles from news sources depending on the top performing cryptocurrency at the time of the request.

### \_coffeeWifi

**Live:** coffeewifi.jchuc.me  
github.com/jeffreychuc/\_coffeeWifi

*A React Native iOS app that helps users find work spaces in their neighborhood.*

#### React-Native, Redux, MongoDB, Express, NodeJS

- Deployed Google Maps integration to display nearby workspaces using selected filters
- Secured application data and user data with OAuth2.0 integration via Auth0.
- Implemented a distance filter to programmatically display workspaces within a specified proximity of a user's current location/view.

## EXPERIENCE

### Application Scientist

#### Transcriptic

March 2017 – August 2017

- Designed, coded, and deployed internal Autoprotocol python testing protocols for R&D Systems DuoSet ELISAs
- Responsible for debugging hardware and codebase issues for developed protocols.
- Wrote, tested, and deployed internal production Python libraries to assist with calculating ELISA sigmoidal standard curves. Developed associated unit tests for libraries.
- Reviewed, tested, and approved pull requests from Applications Team into production for Autoprotocol Python.

### Scientist I

#### GeneWEAVE Biosciences, a Division of Roche Molecular Systems, Inc.

June 2013 – February 2017

- Programmed Hamilton Star Automation platform. Coded, tested, and deployed 12-hour uninterrupted automation script for MRSA Assay. Reduced required manpower for processing 768 samples by 66%.
- Managed and supported data collection and processing scripts written in Python for various generated data formats.
- Designed and conducted analytical studies for the vivoDx MRSA assay including inclusivity and exogenous substance interference in preparation for a FDA 510K submission.
- Maintained and serviced company technical infrastructure including troubleshooting user and equipment issues.

## Education

### App Academy

October 2017 – December 2017

- Immersive 1000+ hour software development course with focus on full stack web development

### University of California, Santa Cruz

BA, Biology

Graduated June 2013