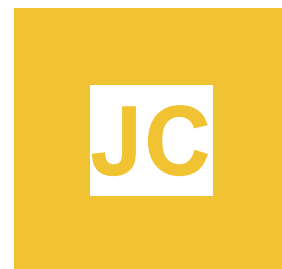


# Jeffrey Chuc

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## SKILLS

Experience with: JavaScript, TypeScript, React.js, Redux, SQL, Git, OOP, Webpack, RESTful APIs, JIRA

Familiar with: Express, NodeJS, MongoDB, Python

## PROJECTS

### NeverBlank

*Faithful clone of popular organizational app Evernote.*

**Live:** [neverblank.jchuc.me](http://neverblank.jchuc.me)  
[github.com/jeffreychuc/NeverBlank](https://github.com/jeffreychuc/NeverBlank)

#### 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.

### Link

*Text message app to connect users with crucial information.*

**Live:** [txtlink.org](http://txtlink.org)  
[github.com/jeffreychuc/Link-Frontend](https://github.com/jeffreychuc/Link-Frontend)

#### React.js, Redux, Express, NodeJS

- Placed first at Hackathon to Solve Homelessness with a 100+ person participation.
- Parsed users' needs and location by utilizing Google's Natural Language and Places APIs to return information on nearby matches.
- Maximized reach and accessibility by leveraging Twilio's API to facilitate sending and receiving SMS text messages.

### CoinStats

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

**Live:** [coinstats.jchuc.me](http://coinstats.jchuc.me)  
[github.com/jeffreychuc/CoinStats](https://github.com/jeffreychuc/CoinStats)

#### 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

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

**Live:** [coffeewifi.jchuc.me](http://coffeewifi.jchuc.me)  
[github.com/jeffreychuc/\\_coffeeWifi](https://github.com/jeffreychuc/_coffeeWifi)

#### 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.

### 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.

## 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