Jeffrey Chuc

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JC

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.

Link
Live: txtlink.org
github.com/jeffreychuc/Link-Frontend

Text message app to connect users with crucial information.
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
Live: coinstats.jchuc.me
github.com/jeffreychuc/CoinStats

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

Scientist I
GeneWEAVE Biosciences, a Division of Roche Molecular Systems, Inc.   June 2013 – February 2017
- Programmed Hamiltion 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*