

Software Engineer

HENRY H. CHEN

**PROJECTS**

Cryptos | (React / Redux, React Native, JavaScript) [Live](https://cryptosapp.io/) | [GitHub](https://github.com/henrychen11/cryptos)

* Built and published mobile application to the App Store that gathers real time cryptocurrency pricing data from our own backend API endpoints.
* Used React Native for frontend coin details, charts, and news components that allows users to experience a more responsive interface for both portrait and landscape view.
* Utilized MongoDB, Express, and Node to gather data from the Bittrex API and hosted with dedicated endpoint for different types of data.
* Real-time charting data is generated using d3 visualization library and user has the option to switch from hour, day, or week view.
* Applied News API to gather the latest news from different sources and dynamically search news pertaining to that coin when user selects their coin.

Liqr | (React / Redux, Ruby on Rails, CSS, HTML) [Live](https://liqr.herokuapp.com/) | [GitHub](https://github.com/henrychen11/liqr)

* Established a user database that allows users has the ability to create accounts that are fully encrypted using BCrypt.
* Integrated Cloudinary API that allows users to upload their photos directly to the cloud hosting service and provided the ability for users to utilize the drag-and-drop feature to upload.
* Used Rails backend to keep track of the associations between users and photos. This also allows users to organize photos into albums.
* Photos are displayed on a dynamic grid system that ensures no edge gaps when the webpage resizes. Used multiple joins tables to provide users the ability to comment and update their own comments.

TopoData | (JavaScript, D3, CSS, HTML) [Live](https://topodata.henryhchen.com/) | [GitHub](https://github.com/henrychen11/topodata)

* Leveraged d3’s data visualization library to generate an interactive map of all 50 states to project out the difference of average salary across the nation
* Applied d3’s linear scale to render the various color shades for each state for the years 2011 to 2016
* Allowed users to select various states and see the difference between their selected state and the state users hover on.

**EXPERIENCE**

QUANTCAST | San Francisco, CA | Aug 2016 – Oct 2017 | Financial Systems Analyst

* Implemented a real-time dynamic Tableau financial dashboard linking to multidimensional data cube source (Essbase) and publishing to Tableau server for leadership to view
* Built and maintained a 5-year long range forecast income and headcount model in Oracle’s Hyperion using variable drivers that calculate future projections.
* Deployed a Tax Transfer Forecast model that utilized real-time exchange rate data and financial calculation models to accurately assess our quarterly tax implementations across 7 global regions

PwC | San Francisco, CA | Aug 2015 – Aug 2016 | Technology Consultant

* Specialized in Network Infrastructure (Firewall Security) to capture traffic data using Firemon and effectively configure Cisco firewalls with the correct source, destination, and port addresses using Cisco’s CLI
* Oversaw firewall remediation project for a major airline with over 160 Cisco firewalls with a team of 6 and work with international teams across the globe.
* Assessed network integrity for a government power plant to effectively prevent cyber attacks
* Projected resources management analysis to effectively complete the project while maximizing project revenue
* Worked with project managers and subject matter specialists to communicate with internal and client teams to ensure on time project completion

**SKILLS**

Ruby

JavaScript

Ruby on Rails

React / Redux

React Native

CSS/ SCSS / HTML

PostgreSQL / RazorSQL  
D3 / ChartJs

Cisco CLI

**EDUCATION**

University of California, Berkeley

B.A. Economics, Major

B.S. Industrial Engineering, Minor

2011 – 2015

**CERTIFICATIONS**

ITIL v3

AWS Technical Associate

AWS Business Professional

DRI License #: 51308

MTA Network / Security

License # F587-4691

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