

# HENRY H. CHEN

Software Engineer



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## EDUCATION

University of California, Berkeley  
B.A. Economics, Major  
S. Industrial Engineering, Minor  
2011 – 2015

## SKILLS

Ruby  
JavaScript  
Ruby on Rails  
React / Redux  
React Native  
CSS/ SCSS / HTML  
PostgreSQL / RazorSQL  
D3 / ChartJs  
Cisco CLI

## CERTIFICATIONS

ITIL v3  
AWS Technical Associate  
AWS Business Professional  
DRI License #: 51308  
MTA Network / Security  
License # F587-4691

## PROJECTS

Cryptos | (React / Redux, React Native, JavaScript)

[Live](#) | [GitHub](#)

- 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](#) | [GitHub](#)

- 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](#) | [GitHub](#)

- 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