**Henry H. Chen** Berkeley, CA | 626.257.1177 | [henrychen1@berkeley.edu](mailto:henrychen1@berkeley.edu)

**LinkedIn:** linkedin.com/henrychen11 | **GitHub:** github.com/henrychen11 | **Portfolio:** henryhchen.com

**SKILLS**

**Languages:** JavaScript (ES7) | Ruby | React / Redux | React Native | Ruby on Rails | CSS/SCSS/HTML | PostgreSOL/Razor SQL | D3 | R Stata | Cisco CLI | Excel VBA | Windows Shell | AWS S3/CloudFront/Route 53 | jQuery | Bootstrap | Git | Node | Xcode

**Systems:** Oracle Hyperion | Tableau Desktop | FactSet | AWS

**Certifications** | ITIL v3 | AWS Technical & Business Professional | DRI License #51308 | MTA Network Security License # F587-4691

**PROJECTS**

Cryptos | (React / Redux, React Native, Mongo, Express, Node.js, Xcode) [Live](https://cryptosapp.io/) | [GitHub](https://github.com/henrychen11/cryptos)

* Developed and published mobile application to the App Store that gathers real time pricing data for 25+ cryptocurrencies using our own backend API endpoints
* Used 30+ React Native components for frontend coin details, charts, and news that allowed maximum code reuse and fast time to market (14 days).
* Utilized MongoDB, Express, and Node to fetch data from Bittrex’s API and stored historical pricing data to draw accurate charts
* Created responsive UI/UX for both portrait and landscape view by leveraging D3 visualization library and real-time charting data to generate hourly, daily, or weekly view of cryptocurrencies.
* Developed an algorithm with 2 seconds response time to filter out irrelevant information returned from “News” API which resulted in gathering accurate, latest cryptocurrency news when user selects desired coin.

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

* Enabled encrypted user data to be stored in PostgreSQL through BCrypt and stored user session data in Rails.
* Increased developer efficiency by 20% by leveraging Cloudinary API which resulted in users being able 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 which enabled users to organize photos into albums.
* Improved UX by designing a responsive web page where photos are displayed on a dynamic grid system that ensures no edge gaps.

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

* Leveraged D3 data visualization library to generate an interactive map of the average and median salary by state across the nation with more than 50,000 data points.
* Applied D3’s linear scale to render the various color shades for each state and allowed users to select the years from 2011 to 2016.
* Enabled users to select various states and see the difference between their selected state and the state users hover on.

**WORK EXPERIENCE**

**Financial Systems Analyst –** Quantcast Corporation August 2016 – October 2017 | San Francisco, CA

* Implemented a real-time dynamic Tableau financial dashboard linking to 11-dimension data cube (Essbase) and publishing to Tableau server for leadership to view with custom VizQl language
* 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

**Technology Consultant Experienced Associate –** PwC August 2015 – August 2016 **|** San Francisco, CA

* 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

**EDUCATION**

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