HENRY H. CHEN
Software Engineer

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EDUCATION

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

SKILLS

JavaScript (ES6)
React / Redux
React Native
Node.js
Ruby
Ruby on Rails
CSS/ SCSS / HTML
PostgreSQL / RazorSQL
D3 / ChartJs
jQuery
Git

CERTIFICATIONS

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

PROJECTS

Cryptos | (React / Redux, React Native, Mongo, Express, Node.js, Xcode)

- Developed mobile application that gathers real time pricing data for 25+ cryptocurrencies using a MangoDB backend API endpoints and published to App Store
- Used 30+ React Native components for frontend coin details, charts, and news that allowed maximum code reuse and fast fetch time from API endpoint (14 days).
- Utilized MongoDB, Express, and Node to fetch data from Bittrex's API and store historical data to draw accurate charts
- Created responsive UI/UX for both portrait and landscape views by leveraging D3 visualization library and real-time charting data to generate hourly, daily, and weekly view of cryptocurrencies
- Developed an algorithm to deliver a 2-second response time to filter out irrelevant information returned from "News" API, resulting in the most accurate and latest cryptocurrency news for a specific coin

Liqr | (React / Redux, Ruby on Rails, CSS, HTML, Ruby, SQL, PostgreSQL)

- Enabled encrypted user data to be stored in PostgreSQL through BCrypt, and stored user session data in Rails
- Leveraged the Cloudinary API to increase user efficiency by 20%, which allowed users to directly upload photos to the cloud hosting service, and provided the ability to utilize the drag-and-drop file upload feature
- Enabled photo organization into albums by using Rails to keep track of the associations between users and photos

TopoData | (JavaScript, D3, CSS, HTML)

- Generated an interactive map of the average and median salary by state across the nation with more than 50,000 data points using the D3 data visualization library
- Applied D3's linear scale to render various shades for each state and provided data selection spanning from 2011 to 2016

EXPERIENCE

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

- Implemented a real-time dynamic Tableau financial dashboard linking to multidimensional dat 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