

## CHARLES H. FRANCIS

---

336 Carl St., San Francisco, CA, 94117

Phone: 347-578-3344. E-mail: [charles.h.francis@gmail.com](mailto:charles.h.francis@gmail.com). GitHub: [chf2](#)

## PROJECTS

---

**BowserBook** (Rails, Backbone.js) | Web: [www.bowserbook.com](http://www.bowserbook.com) | GitHub: [chf2/bowserbook](#)

- Social media site built on Backbone and Rails, inspired by Facebook
- Single page application using custom Backbone composite views to handle deeply nested subviews
- Fuzzy search for users implemented with event-triggered AJAX queries
- Provides Rails Flash-like behavior for user-activated notifications using jQuery

**Moment Map** (React.js) | Web: [www.momentmap.io](http://www.momentmap.io) | GitHub: [chf2/moment\\_map](#), [chf2/chf-go](#)

- Rack application built on chf-go, a lightweight ruby web framework and PostgreSQL ORM
- React front-end paired with the Google Maps API provides a fast and interactive user experience
- Flux-style actions manage asynchronous API calls, including moment fetching and creation

## SKILLS

---

Ruby, Ruby on Rails, JavaScript, Backbone.js, React.js, jQuery, CSS, HTML, SQL

## PROFESSIONAL EXPERIENCE

---

**App Academy**, *Senior Teaching Assistant*

Jun 2015 - Present

- Lecture and provide student assistance on a wide range of programming and web development topics, including Ruby, Rails, JavaScript, and SQL to classes of 55+ students
- Wrote React projects and contributed to the curriculum transition from Backbone to React. Wrote readings for deploying Rails projects with npm/Webpack integration on Heroku
- Conduct coding interviews with applicants to App Academy

**Apple**, *Operations Commodity Manager*

Oct 2013 - Feb 2015

- Directly responsible individual for supply assurance for all discrete and standard silicon board electrical parts. Covered 50+ suppliers and 1000+ components, representing \$1b in annual spend
- Developed Long Term Forecast modeling tools to ensure supplier capacity for upcoming product launches with 6-9 months lead time
- Spearheaded product-by-product BE cost and cost-down analysis presented to senior management

**RBS Markets & International Banking**, *Currency Options Trader*

Jun 2011 - Aug 2013

- Priced and made markets in vanilla, exotic, and complex options in Latin American currencies for clients including hedge funds, money managers, and large corporations
- Helped manage and hedge dynamic risks in the desk's portfolios under direction of a senior trader

**RBS Markets & International Banking**, *Markets Summer Analyst*

Jun 2010 - Aug 2010

- Created VBA-based spreadsheet for Rates desk to scrape and store price data from broker messages

**Priceline.com**, *Summer Intern-IT*

Jun 2008–Aug 2008

- Wrote internal documentation for using Cisco CallManager. Removed old servers from data centers

## EDUCATION

---

**Yale University**, New Haven, CT

- *Bachelor of Arts in Economics*, May 2011
- Cumulative GPA 3.72, Economics GPA 3.88