CHARLES H. FRANCIS

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PROFESSIONAL EXPERIENCE

App Academy, *Senior Teaching Assistant, Web Development*   Jun 2015 - Present
- Instruct cohorts of 55+ students in a 9 week intensive web development class, focusing on Ruby, Rails, JavaScript, React, and SQL. 98% of our graduates receive offers to work in tech
- Wrote React projects from scratch and helped migrate old curriculum from Backbone to React
- Developed instructional materials for staff and students on npm/Webpack integration with Rails
- Filter App Academy applicants for technical ability through coding interviews

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 6-12 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
- Wrote scripts for trades priced using Monte Carlo simulations. Structured complex FX basket trades

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

SKILLS

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

PERSONAL PROJECTS

BowserBook (Rails, Backbone.js) | Web: 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 | 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

EDUCATION

Yale University, New Haven, CT
- *Bachelor of Arts in Economics*, May 2011
- Cumulative GPA 3.72, Economics GPA 3.88