Howard Chen

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Education:

University of California, Berkeley, *August 2012*   Expected Graduation: *May 2016*
B.A. Computer Science   GPA: 3.46
Relevant Coursework: Data Structures, Algorithms, Structure and Interpretation of Computer Programs, Artificial Intelligence, Discrete Mathematics and Probability Theory, Computer Architecture/Machine Structures, Programming for Engineers, Databases, Machine Learning, Computer Networks

Experience:

Groupon | Web Developer Intern for Breadcrumb Reports   *June 2015 - August 2015*
  • Created filters to aggregate restaurant and check data on client side javascript.
  • Optimized a Rails endpoint by improving queries and skipping middleware, speeding it by 4 seconds.
  • Wrote worker tasks for Rails Application to send CSV reports to restaurant owners.

Salesforce | Software Engineering Intern | **chenhoward.github.io**   *January 2014-August 2014*
  • Worked on mobile webs apps using the Salesforce platform with Java, Javascript, HTML, and CSS
  • Worked with javascript libraries such as jQuery, Angular.js, and d3.js to present data
  • Created modular schema and wrote algorithms to improve performance on mobile devices
  • Wrote blog that shows workarounds for issues that developers have for the platform

Cal Blueprint | President, former Project Leader | www.calblueprint.org   *September 2013 - Present*
  • Worked in three different small teams of developers to create technology for nonprofit organizations
  • Implemented an agile development cycle with two-week iterations to meet clients needs
  • Formerly a Project Leader where I delegate tasks and review my developer's code/pull request

Projects:

Project Homeless Connect Android App | github.com/calblueprint/PHC   *August 2014 - Present*
  • Led a team of 5 developers to create a Android Application for Project Homeless Connect
  • Gathered data from organization's Salesforce backend using gem to gather CSV data
  • Created rails app to preprocess data and run fuzzy queries allowing fuzzy search on Salesforce data
  • Created API endpoints for Android App to get client data and push client data to Salesforce

Open Music Competition Rails App | usomc.herokuapp.com   *September 2013 – December 2013*
  • Worked in a team of 5 developers to create a web and iOS collaborating through Git
  • Implemented a JSON API and endpoints for the iOS application to interact with the user models
  • Created back-end user, room, and session models with different role types
  • Integrated front-end design to ease the user's experience with interacting with the website
  • Implemented the Admin user and authorizations for various parts of the website

Food Donation and Pickup Android App | github.com/calblueprint/ff   *January 2014 – May 2014*
  • Worked with a team of developers to create a food donation and pickup app
  • Integrated app with Facebook SDK to increase app and organization awareness
  • Created the views for User session that gathered information from the Volley API
  • Created and implement graphics, assets, layouts, and UI elements to make app beautiful

Ruby on Rails Decal Website | *github.com/rails-decal/railsdecal.com*   April *2014 - August 2015*
  • Create user backend with different roles that allowed simple user signup and application evaluation
  • Created lectures and lab material as the instructor that can be found on the website
  • Wrote asynchronous worker tasks to send emails
  • Wrote CI testing to ensure any updates can be safely pushed to production

Skills:

Proficient in: Ruby on Rails, Javascript,, NodeJs, BackboneJs, Android, Java, Python, Matlab
Experienced in: C, HTML, CSS Environments: Mac OS X, Unix-based OS, Windows XP/Vista/7, Git, Vim