Winston Chen

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Melrose, MA

Github   LinkedIn   Website

Related Skills
Programming Languages: Primary: C++, jQuery, JavaScript, HTML5, CSS3, Python
Comfortable: Objective-C/Swift, Java, Unix, D3JS, Flask, AngularJS, NodeJS
Resources: Git, Arduino, Raspberry Pi, Amazon Web Services, Semantic, Bootstrap, SendGrid, Chrome API

Education
Boston University (Boston, MA)   Sept 2012 - May 2016
Candidate for Bachelor of Computer Engineering
Relevant Courses: Software Engineering, Differential Equations, Electric Circuits, Advanced Data Structures

Work Experience
Constant Therapy – Software Engineering Intern   May 2014- Aug 2014
- Improved their infrastructure to allow their website to be dynamic and scalable.
- Developed a web app that allows any employee to make quick changes to their database regardless of programming knowledge (Flask and Java).
- Web-scraped publicly available e-mails to target people most likely to use the Constant Therapy iPad application - increased email yield rates by 20% (Python, NodeJS, and PhantomJS).
- Generated graphical representations of data for analytical purposes, using D3js.

Projects
Canary - (Second Place – BattleHack Boston - 2014)
- Created a crowd sourcing pollution data collector using various sensors that sent data to a backend via an Android app to map pollution levels around the city of Boston.

Amgine - (Enigma API Prize Winner – Hacking Journalism - 2014)
- Created an iOS application that made Enigma's public data sets more mobile friendly as well as presented their data in visually appealing and useful ways.

Echo Can - (First Place - HackBostonStrong - 2014)
- Created a smart green can that identifies whether an item is recyclable or waste based on sound processing. Echo Can sorts the item in its correct category.

Optimal - (SendGrid API Prize Winner - HackPrinceton 2014)
- Created an iOS application that provides users a way to communicate ideas and design plans via a doodling canvas and photo system that can be sent to friends.
- "Expanded SendGrid's Objective-C API request library."

SnappyLink - (Intuit's Best Application to Simplify the Business Life & Finalist- HackBeanpot - 2014)
- Created Chrome extension that streamlines browsing the web for information by providing quick preview hovering of links within a "mini-browser" view.

Zumba Fitness Node Defender - (1st and 2nd Place - Ultimate Developer Event - 2013)
- Developed the best highest scoring JavaScript strategy script for Zumba Fitness's Node Defender, which was created with two servers (Heroku dynos): a client server and a game server, MongoDB for the sessions and game results, and Redis.

Related Activities
Treasurer of BUILDS (Hackerspace of Boston University) - (2014 - 2015)
Massachusetts Green Team - Student Cluster Competition SC'14