Samuel Breck

www.samuelbreck.com   codeon19

Professional Experience

Prospect Silicon Valley   Summer 2016
Software Engineering and Project Coordinator Intern   San Jose, CA
- >_ Developed demo applications that connected Prospect Silicon Valley's Intelligent Transportation Lab and fka Silicon Valley's Simulation Lab (fka SV is an associated research group with Aachen University)
- >_ Streamlined the client onboarding system and integrated various lead pipelines
- >_ Conducted aggregate purchase surveys for prospective cities leasing EV Fleets

CSchedule   Summer 2015, 2016
Software Developer Intern   Santa Clara, CA
- >_ Developed a single page web app in HTML, CSS, and JavaScript (JQuery, Backbone)
- >_ Explored various API's include Drop.js and Facebook login
- >_ Designed logic of architecture involving asynchronous calls
- >_ Applied advanced Agile principles

TPK Touch Solutions, Inc.   Summer 2014
Project Management Intern   Xiamen, China
- >_ Developed Project Management skills involving production of touchscreens
- >_ Analyzed case studies concerning lifecycle of a product from DVT to fulfillment

Campus Involvement

Los Angeles Community Impact   Sep 2015 – Present
Director of Internal Relations and Team Leader   Los Angeles, CA
- >_ Pro-bono consulting club at USC that works with NGOs/small businesses with multimillion dollar budgets
- >_ As Director of IR, designed databases that aggregated past clients, project deliverables, and school resources to facilitate client acquisition and project operations
- >_ As a Team Leader, currently managing a team for the Harold Robinson Foundation
- >_ Past projects include small businesses, Monkey Business Café and Beat the Streets Los Angeles

LavaLab   Sep 2016 – Present
Developer   Los Angeles, CA
- >_ USC's highly selective student run product incubator that takes ideas into working products

Projects

Tommy Bot (Python, NodeJS, MongoDB)   Sep 2016 – Present
- >_ Messenger chatbot for all things related to USC (building location/hours, menus, events, etc.)
- >_ Currently ~ 200 messages handled daily

Split (Swift)   Nov 2016
- >_ Cal Hacks 3.0 project with 4 other USC students, first time using Swift and XCode
- >_ Easy to use receipt parsing iOS app using Microsoft Computer Vision API to parse text/relative position in image
- >_ Utilized imgur to post and host images using an HTTP POST request to their API

Transit Priority (Java, Android Studio, Embedded Systems with C/C#)   Jun 2016
- >_ Developed interface with android application to demonstrate applications of DSRC technology with Transit Vehicles
- >_ Application gives priority to a Transit Vehicle at an intersection via V2R communication through modification of the standard protocol BSM broadcasted by the DSRC OBU and modification of traffic control logic to optimize traffic flow

Skills C++, Java (Android Studio), HTML, CSS, JavaScript (JQuery/Backbone/ReactJS/NodeJS), Python, Linux Embedded Systems

Education

University of Southern California, Viterbi School of Engineering   Aug 2015 – Present
Sophomore, Bachelor of Science in Computer Science and Business Administration   Los Angeles, CA
Dean's List, Academic Achievement Award
- >_ Expected Graduation | May 2019
- >_ Completed Coursework | Data Structures and OOD/ Algorithms/ Artificial Intelligence/ Discrete Methods in CS

Saratoga High School   May 2015
Graduated with Honors   Saratoga, CA
- >_ Completed Coursework | Beginning Programming Methodologies (C++)/AP Computer Science (Java)

Los Angeles, CA 90007   breck@usc.edu   (408) 858-3628