Sean Harger

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Education

Rice University • Houston, TX
B.S. Computer Science '15
3.86 GPA

Loyola High School • Los Angeles, CA
Class of 2011
4.47 GPA

Technical Skills

Proficient in **Java, Python, C**
Comfortable with **Ruby, C++, Objective-C, Verilog, HTML, CSS, Javascript, SQL, LaTeX**
Tools **Vim, Git, Bash, Rails, NodeJS, jQuery, EagleCAD**

Work Experience

Google • Software Engineering Intern • Pittsburgh, PA   Summer 2014
- Built a feature for Google search to enable better discoverability of Shopping Shortlists

Spiceworks • Software Development Intern • Austin, TX   Summer 2013
- Built an automated ad creator, scheduler, and presenter for featured products and product highlights on the Community Product Pages
- Built the backend to distinguish product variants on the site using ElasticSearch data
- Created a desktop notifications system for tickets in the Spiceworks App HelpDesk using Backbone

Metro Los Angeles • System Analyst Intern • Los Angeles, CA   Summer 2012
- Proposed, planned, and developed MASS, a Java desktop application to analyze collected bus data and present ridership patterns in a rapid and intuitive way
- Learned the processes and practices associated with public transportation planning, operation, and analysis

Projects

Music-Synced Christmas Lights (C)   December 2013
a Raspberry-Pi controlled light show triggered by MIDI music files

Networked Scrabble (Java)   May 2011
a lightweight local-network Scrabble game making use of Java networking APIs (sockets and object serialization)

Number Munchers (Java)   January 2011
a student-geared, math-based, graphical user interface game using Java making use of AWT, Swing, and threads

Coursework

COMP   Advanced OO Programming, Compilers, Algorithms, Computer Networks, Computer Systems, Parallel Programming, Databases, Program Design, Algorithmic Thinking, Computational Thinking
ELEC   Embedded Systems, Digital Logic Design, Computer Engineering, Circuits, Signals & Systems
MATH   Probability & Statistics, Linear Algebra, Differential Equations

Activities & Awards

McMurtry College Internal Vice President   2014 - present
McMurtry College Amenities • Committee Head   2013 - 2014
Rice Theatre • Construction, Sound Designer, Board Op   2012 - present
Rice Catholics • Small Group Leader/Website Manager   2013 - present
Eagle Scout • Boy Scouts of America Troop 849   2011