Sean Harger

seanharger.com   github.com/wallaceicy06

seanharger93@gmail.com

Education

Rice University • Houston, TX
Computer Science, expected 2015
3.85 GPA

Loyola High School • Los Angeles, CA
4.47 GPA

Technical Skills

Proficient in **Java** and **Python**
Comfortable with **C, Objective-C, Ruby, Verilog, HTML, CSS, Javascript (jQuery), SQL, LaTeX**
Tools **Vim, Eclipse, Git, Bash, Ruby on Rails, 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

Personal 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   Computational Thinking, Algorithms, Program Design, Computer Systems, Parallel Programming, Databases
ELEC   Computer Engineering, Electrical Engineering I & II, Electronic Materials, Digital Logic Design, Embedded Systems
MATH   Differential Equations, Honors Linear Algebra, Probability & Statistics

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