

Sean Harger

seanharger.com github.com/wallaceicy06

seanharger93@gmail.com

Education

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

Loyola High School • Los Angeles, CA
Class of 2011

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, SailsJS, EmberJS, 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 (see personal website for more details on these and other projects)

Betrayal (NodeJS, Javascript) April 2015
an online multiplayer RPG based on *Betrayal at the House on the Hill*. Developed using SailsJS and CraftyJS and deployed using Heroku at betrayal.seanharger.com.

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

Coursework

COMP Operating Systems, Security, Game Design, 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

updated May 2015