

# Robert Helfman

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## Current Address:

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## Permanent Address:

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## Education

### Washington University

BS with a Major in Computer Science  
GPA: 3.51/4.00, Deans List

St. Louis, MO

Expected Graduation: May 2015

### Advanced Coursework:

Algorithms and Data Structures  
Systems Software  
Human-Computer Interaction  
Discrete Mathematics

Rapid Prototype Development  
Compiler Construction  
Technical Writing  
Matrix Algebra

Introduction to Computer Networks  
Digital Logic and Computer Design  
Functional Programming  
Probability and Statistics

## Technical Skills

*Languages:* Proficient in Java, C, C++, Python, Objective-C, Swift

*Front End:* Proficient in Html, CSS, JavaScript

*Back End:* Proficient in PHP, MySQL; Familiar with MongoDB

*Other:* Familiar with Miranda, R, SAS

## Engineering Experience

### Symantec Corporation

Culver City, CA

*Norton Engineering Intern*

June-August 2014

- Developed an iOS application for a home automation product.
- Implemented the iOS application with Swift, the recently introduced programming language for iOS/OS X, and XCode 6 Beta. Features of the application included Single Sign-On (SSO) authentication, interacting with cloud services, and size classes.
- Performed a Swift tutorial that presented significant features of Swift to fellow Symantec employees.

*Consumer Business Unit Intern*

May-August 2013

- Wrote scripts that would perform user interface regression tests for an iOS mobile product.
- Investigated Squish, a GUI test automation tool, and used this program to design a framework for developing test scripts. The scripts were written in Python but often also contained injected JavaScript. The test scripts were run daily and the results were e-mailed to quality assurance.
- Helped write over a hundred automation test scripts. The created framework allows for future test scripts to be written in parallel to user interface changes.

### MecSoft Corporation

Irvine, CA

*Summer Intern*

June-July 2011

MecSoft Corporation develops Computer Aided Design (CAD)/Computer Aided Manufacturing (CAM) software.

- Wrote a research paper analyzing how Mecsoft operates. This furthered my understanding of the inner workings of a small software company.
- Implemented new web features, corrected defects with Html and CSS, and helped switch the host provider.

## Activities

### The Association for Computing Machinery

St. Louis, MO

*Member*

August 2012-Present

International organization aimed to expand and advance knowledge of Computer Science.