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# JAMES STEIMEL

## SOFTWARE ENGINEER

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## EDUCATION

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### **B.S. in Computer Science // University Of Missouri - St. Louis // Graduated 2017**

**Relevant Coursework:** object-oriented programming, computer organization and architecture, design and analysis of algorithms, program translation, operating systems, web design, cyber security, iOS application development, system programming and tools

## EXPERIENCE

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### **Teaching Assistant // University of Missouri - St. Louis // Math Dept. // 2014 to 2017**

Collaborated with instructors in lab preparation and execution for math courses. Provided tutoring in College Algebra, Trigonometry, Statistics, and Calculus I. Trained new assistants on department standards.

## SKILLS

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| - C / C++ | - Objective-C | - Git/Github    |
| - Java    | - HTML/CSS    | - Xcode/Eclipse |
| - Swift   | - JavaScript  | - UNIX systems  |

## SELECTED PROJECTS - <https://github.com/thetotaljim>

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### **Compiler - Translating Code into Assembly Language // Spring 2017**

Developed a finite state automata that transforms source code into tokens to be stored in a parse tree using table and driver method. On the back end, created a code generator using C semantics that converts the parse tree into assembly language code to be run on a designated virtual machine.

### **iOS Applications (Poker, Hangman, Memory) // May - Dec 2016**

Designed iOS applications using test driven software development process. Implemented Apple's Model-View-Controller communication pattern. Created animations using iOS Core Graphics framework. Developed an algorithm to test for all 2,598,960 possible 5-card poker hands. Implemented an AI player with adjustable difficulty.

### **Information Security Framework Application // Spring 2017**

Application was developed to allow corporate information security professionals to more efficiently manage their information security policy and associated controls. Worked with server team to develop a cross-walk of multiple information security frameworks. Developed JSON data structures for incorporating additional frameworks and revisions into current frameworks. Gained experience using AGILE methodologies while working on this open-source project.

## AWARDS

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### **Dean's List // University of Missouri - St. Louis // 5 of 6 semesters between 2014-2017**

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