Zachary R. McKee

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Objective

Aspiring software developer with solid knowledge of computer science fundamentals seeking a summer 2018 internship position to apply current skills and develop new ones while creating clean, practical and robust code.

Education

B.S. Computer Science | 2016-2019 | Illinois Institute of Technology

Major GPA: 4.0

Overall GPA: 3.75

Relevant Courses:

- Data Structures & Algorithms
- Computer Organization and
   Assembly Language Programming
- Database Organization
- Discrete Structures
- Systems Programming
- Programming Paradigms/Patterns
- Object Oriented Programming

Technical Skills

Programming Languages
C, Python, Java, Haskell

Database Tools
Oracle SQL, PL/SQL, PostgreSQL

Front-end Technologies
HTML/CSS

Development Tools
Git, Vim, Eclipse, Visual Studio, Linux

Experience

Teaching Assistant | Illinois Institute of Technology | Fall 2017
Course: Computer Organization & Assembly Language Programming
Responsible for assisting students during lab sessions, holding office hours, answering student inquiries on Piazza, and grading assignments.

Projects

PiAlert (MHacks X)
https://devpost.com/software/pialert
Home security system built using a Raspberry Pi, optimized for affordability and ease of use.

NoteMaker (Boilermake V)
https://devpost.com/software/boilermakev
Note-taking software that allows students to look up confusing terms incredibly quickly, using a sidebar that includes a summary of a relevant Wikipedia article.

Huffman Code Text Encoder/Decoder
http://zacharyrmckee.com/projects.html
Text file compression/decompression application showcasing usage of trees, hash tables, and general algorithm design.

LC-3 Simulator
Implements the instructions of the LC-3 assembly language. Effectively simulates a basic computer, complete with simulation of some hardware-level details (such as the program counter and loading instructions).