

Zachary R. McKee

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Objective

Aspiring software developer with solid knowledge of computer science fundamentals seeking a summer 2018 internship position.

Education

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

Major GPA: 4.0

Overall GPA: 3.85

Relevant Courses:

- Data Structures & Algorithms
- Computer Organization and Assembly Language Programming
- Database Organization
- Discrete Structures
- Systems Programming
- Programming Paradigms/Patterns
- Mobile Application Development

Technical Skills

Programming Languages

C, Java, Python, Haskell

Database Tools

Oracle SQL, PL/SQL, PostgreSQL

Web Technologies

HTML/CSS/Javascript, Django, Nginx, Unicorn, REST, JSON, XML, AWS, Azure

Development Tools

Linux, Git, Vim, Eclipse, Visual Studio, Android Studio

Experience

Teaching Assistant | Illinois Institute of Technology | Fall 2017 - Spring 2018

Course: Computer Organization & Assembly Language Programming

Responsible for assisting students during lab sessions, giving supplementary mini-lectures, 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.

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.

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.

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).