

# Zachary R. McKee

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## Objective

Computer Science student seeking an internship for summer 2018.

## Education

B.S. Computer Science | 2016-2020 | Illinois Institute of Technology

Major GPA: 4.0

Overall GPA: 3.75

### Relevant Courses:

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

## Technical Skills

### Programming Languages

Python, C, Java, Haskell

### Front-end Technologies

HTML/CSS

### Database Tools

Oracle SQL, PL/SQL, PostgreSQL

### 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, grading assignments and proctoring exams.

## 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).