

# Zachary R. McKee

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## Education

B.S. Computer Science

**Northwestern University**

*2018-2020*

- Major GPA: 3.85 | Overall GPA: 3.68

**Illinois Institute of Technology**

*2016-2018*

- Major GPA: 4.00 | Overall GPA: 3.85
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## Technical Skills

- **Programming Languages:** Java, C#, Python, C, Common LISP
  - **Web Technologies:** HTML/CSS/Javascript, Django, Nginx, Gunicorn, REST, JSON, AWS, Azure, Bootstrap
  - **Database Engines:** Oracle SQL, PostgreSQL
  - **Development Tools:** Git, Vim, Eclipse, Visual Studio, Android Studio, Unity
  - **Platforms:** Linux/Unix, Windows
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## Experience

**Teaching Assistant | Illinois Institute of Technology**

*Fall 2017 - Spring 2018*

Course: Computer Organization & Assembly Language Programming

- Taught students how to use Vim and Linux for developing software by holding supplementary mini-lectures.
  - Clarified low-level programming concepts to students during office hours.
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## Projects

**The Grapplers**

- Developed a Unity fighting game as part a team of three using the Agile method.
- Contributed several core game mechanics and refactored code for better readability.

*Winter 2019*

**Northwestern's SETI Lab - Random Language Generator**

*Spring 2018*

- Developed code in Python to complement one of Northwestern's systems assignments.
- Generates data following a predefined LR-style set of rules.
- Utilizes NumPy to model the Zipfian word frequency distribution seen in real languages.

**Personal Website - [zmckee.com](http://zmckee.com)**

*Winter 2018*

- Created a personal website using the Nginx-Gunicorn backend stack.
- Utilizes a PostgreSQL database to serve the models for the Gunicorn MVC.

**PiAlert**

*September 2017*

- Worked in a team of two to create a low-cost home security system using a Raspberry Pi.
- Uses Flask and Twilio's Python API to send alerts to users if it detects an intruder.