

Full-stack software developer.

EXPERIENCE

- **Amazon** Seattle, WA
Software Development Engineer Intern Jun 2018 - Aug 2018
 - **On-Call Tooling:** Developed and deployed a Spring MVC web application to improve on-call record searching and re-transmission. Designed the tool's architecture using AWS Athena, S3, and SQS. Created a thin UI with a form auto-completion feature using JavaScript.
- **Helios** Madison, WI
Technology Team Lead Aug 2018 - May 2019
 - **Lead and Infrastructure:** Oversaw development of organization software projects. Guided members in their development process. Reviewed code while promoting best practices. Documented and developed strategy for rapidly setting up an AWS infrastructure. Created continuous deployment system using AWS CodePipeline and CodeDeploy to support the organization's website development.
- **University of Wisconsin - Madison** Madison, WI
Undergraduate Teaching Assistant Jan 2017 - Dec 2017, Sept 2018 - Dec 2018
 - **CS 200/302 Assistant:** Performed teaching assistant tasks for an introductory programming class comprised of 500 students. Lead up to 4 course lab sessions per week to compliment lecture theory. Heavily involved in course office hours, piazza q/a, and exam review sessions. Maintained an active roll in the feedback loop between students and instructors to facilitate course improvement.

PROJECTS

- **Toy Compiler:** Created a MIPS targeted compiler for a simplified variant of the c programming language using Java. Used JLex and JCup for lexing and parsing. Learned about the basic compiler architecture and optimization techniques.

EDUCATION

- **University of Wisconsin - Madison** Madison, WI
Bachelors of Science in Computer Science and Mathematics; GPA: 3.67 Aug 2015 – May 2019