

# Brendan Finan

bfinan@iastate.edu

bfinan.com

641-230-0804

## EDUCATION

---

### Iowa State University

Ames, IA, August 2014 - May 2019

- Bachelor of Science in Computer Engineering: Software Systems Option
- ECpE Curriculum Committee, IEEE Student Chapter, First Year Honors Program

### Central College

Pella, IA, August 2013- May 2014

- Cumulative GPA: 4.00

## WORK EXPERIENCE

---

### Centurion Management, LLC.

Des Moines, IA, May 2018 - August 2018

#### *Software Developer*

- Created new web hosting stack, reducing annual hosting costs by 88%
- Developed viability reports for proposed edge computing architectures

### Buildertrend Solutions, Inc.

Omaha, NE, May 2018 - August 2018

#### *Software Development Intern*

- Developed an ASP.NET web application for feature requests
- Built a self-updating software repository, reducing setup time for new dev machines by 56%
- Researched software architecture technologies, including Docker and Chef

### Ames Lab

Ames, IA, September 2014 - May 2018

#### *Research Assistant*

- Maintained 20 Linux server clusters for scientific computing
- Created a suite of Bash scripts to automate routine server node health checks
- Communicated with co-workers about potential server issues, maximizing uptime

## SKILLS

---

- Proficient in Python, Java, and C programming languages; experience with Javascript/HTML/CSS
- Utilized software packages including Git, Apache, CentOS, Django, Android, and PostgreSQL

## PROJECTS

---

### Smart Garbage Management

January 2018 - December 2018

#### *ISU ECpe Senior Design*

- Designed and implemented a full-stack Internet of Things waste management solution
- Created an Android application to display and collect user information

### ANLP

Ongoing

#### *Natural Language Processing package*

- Created a Named Entity Recognition (NER) Python library capable of recognizing 14% more named entities than Stanford CoreNLP
- Utilized Natural Language Processing techniques and machine learning to reduce false recognition by 20%