

## SKILLS

**Languages** – Python, Java, JavaScript, C++, MySQL, SQLite, HTML, CSS, ES6

**Frameworks and Libraries** – React.js, Django, Spring, Pandas, JUnit Testing, Jest Testing, PyTorch, TensorFlow, Sass

**Tools** – IntelliJ, PyCharm, VS Code, GitHub, Jira, Agile, AWS, Weka, VIM, Wing, Data Structures, Algorithms

## PROFESSIONAL EXPERIENCE

### Web Developer Intern | *PEAK Degrees* | 10/2019 – 8/2020

- Developed 27 mobile friendly, responsive web apps utilizing Squarespace, JavaScript, HTML, and CSS for a wide variety of brands including large names like GoOats, Ford Gum, Strassburger Steaks, as well as family businesses and clinics.
- Generated over 430,000 unique viewers, 1,000,000 page views, and \$640,000 for clients across the many ecommerce, blog, and homepage websites detailed in my portfolio over 10 months.
- Increased web development team performance by 25% through helping facilitate a transition to a scrum development cycle using Trello integrated with Slack.

### Summer Intern | *LAMCO Slings and Riggings* | 6/2017 – 8/2017

- Increased team productivity by 20% by formatting, creating, and maintaining Creo CAD design projects.
- Upheld company relations and offsite operations by replacing or exchanging parts with clients across Iowa and Illinois.
- Ensured OSHA compliance and operator safety by performing physical safety inspections on over 4,000 slings and riggings.

### Software Engineer Apprentice | *Edgewood Chemical and Biological Center* | 6/2016 – 8/2016

- Organized the software development team by designing, building, and implementing a link management system with C# backend, HTML & CSS frontend, and XML storage which was used daily by the development team.
- Earned exceptional marks on my link management project after presenting it to the board of directors at the end of my Science and Engineering Apprenticeship Program (SEAP) program.

## PROJECTS

**Disaster Stocks** – Full stack data visualization web app comparing natural disaster location and times with stock prices, written with a React.js frontend and Node.js backend utilizing the Mapbox API, hosted on AWS RDS MySQL and an EC2 instances.

**Vanpool Service System** – Full stack van ridesharing web app written with React.js, Django, and MySQL (in progress).

**Personal Portfolio Website** – Single page architecture web app made with React.js, hosted on an AWS S3 Elastic Beanstalk static instance.

**WaifuBot** – Discord bot trading card game using Discord.js API supported with Node.js and MySQL (in progress).

**FPV Drones** – Built, raced, and crashed multiple First-Person View Racing Drones.

**Embedded Systems** – Programmed and built raspberry pi cars and other small technical breadboard projects involving low level programming.

## EDUCATION

**Computer Science BS | University of Iowa | 12/2020**

**Mathematics Minor | University of Iowa**

- ACM Student Chapter Vice President (2020-2021)
- ACM Student Chapter Secretary & Treasurer (2019-2020)
- Associated Residence Hall Petersen Senator (2017-2018)

## ACHIEVEMENTS & AWARDS

- Google Hash Code 2020 U of Iowa Hub Gold Medalist
- Google Tech Challenge 2020 U of Iowa winner
- Davenport Central Jim Fox award
- National Honor Society Member (2017)