

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, Chicago IL* | 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, Moline IL* | 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, Rock Island Arsenal* | 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)