



Education

PhD | Computer Science

University of Wyoming

Expected Spring 2025

- Distributed Systems
- AI Programming

BS | Computer Science

University of Wyoming

Spring 2021

- Certificate in Cybersecurity
- Focuses: Cybersecurity, DevOps
- GPA: 3.8

Coursework

Computer Architecture

Software Design

Discrete Structures

Algorithms

Networking

Functional Programming

Programming Languages

Computational Complexity

Computer Security

Operating Systems

Skills

Languages

Python • Java

Javascript • C++

Golang • Rust

Dart

Frameworks

React.js • Flutter

Flask • Firebase

Bootstrap • Azure

Docker • Linode

Achievements

- Placed 18th out of 371 competitors in Fall 2020 Department of Energy Cyberforce competition
- Three time top 10% national placement in National Cyber League
- Qualified for national science olympiad competitions in game design and robotics
- Developed Amazon Alexa application for University of Wyoming College of Education

Work Experience

CEDAR | Graduate Researcher

Summer 2021 - Present

- Conceptualize and develop research projects for the lab
- Direct undergraduate researchers and facilitate their development
- Assist in the management of day to day DevOps
- Develop novel code for research projects including multi-agent simulators and full stack web applications

Xplor Adventures | Full Stack Developer

2021

- Develop the frontend and backend applications for a social startup
- Create and deploy full stack architectures
- Manage web servers, multiple code bases, and oversee an internal
- Communicate progress, questions, and achievements remotely

JarrowTech | Remote Junior Developer

2020

- Develop mobile applications in a fast changing, start-up environment
- Create and communicate front-end and back-end solutions to other developers
- Develop blockchain technology and integrate it with existing front- and back-ends
- Communicate progress, questions, and achievements remotely

CEDAR | Undergraduate Research Assistant

2018 - Spring 2021

- Compete in the National Cyber League (Fall 2018 - Spring 2021) and Cyberforce (2019 & 2020) competitions
- Represent the University both online and in person at competitions
- Secure systems in simulations of industry environments
- Draft research statements and papers
- Develop and execute security experiments

TEALS | Volunteer Classroom Instructor

2019 - 2021

- Teach the fundamentals of computer science to high school students
- Excite students about the interesting parts of computer science
- Assist in general classroom management tasks such as grading and tutoring