

Education

Western Washington University

Sep 2016 - Jun 2020

BS Computer Science

BS Mathematics with Merit

Magna Cum Laude

AWS Certified Developer - Associate

Experience

Researcher, Exhaustive Protein Generation

Apr 2019 - Jun 2020

- Utilize distributed computing to exhaustively pairwise mutate several thousand proteins
- Work in team to adapt existing shell scripts, python, and java programs to minimize I/O and create scalability

Tutor, Western Tutoring Center

Sep 2019 - Jun 2020

- Work with peers to help them develop a growth mindset and numerous ways to solve problems
- Explain high level concepts in an easy to parse and comprehend manner

Software Developer, Portfolio

Jun 2020 - Present

- Full stack development of portfolio webpage utilizing AWS offerings.
- Created using CICD principles, deployed using fully automated pipeline.

Software Developer, BirdID

Apr 2020 - Jun 2020

- Created software to identify bird species through machine learning
- Written using Pytorch to implement prototypical networks with few-shot learning

Software Developer, Linux Shell

Apr 2019 - Jun 2019

- Designed and implemented a Linux shell using C
- Programmed over the course of 10 weeks in order to test time management skills and ability to prioritize necessary features over non-vital additions

Software Developer, SURLY

Jan 2019 - Mar 2019

- Created single-user relational database system taking inspiration from SQL
- Processes user commands to perform data definition and queries

Skills

- Languages: Java, C, Python, MATLAB, Shell Scripting
- Software: AWS, LaTeX, Git, Word, Excel (Beginner), SQL (Beginner)
- Other: Numerical Optimization, Mathematical Proofs, OOP Programming, Tutoring

Extra-curricular activities

Teenage Ambassador

Sep 2014 - Jun 2016

- Organized and led activities to motivate disenfranchised teens
- Worked in groups to efficiently manage time and materials

Volunteer Librarian

Sep 2014 - Jun 2016

- Assisted library employees with day to day duties