

# Alex S. Pope

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## EDUCATION

**B.S. Computer Science, minor in Music**  
**Utah State University (USU), Logan UT**

**Spring 2024**  
**GPA 3.95**

## SKILLS

- Python
- C#
- JavaScript
- Algorithms
- Data Structures
- Unix
- Agile and Scrum
- Git
- Fluent Spanish

## WORK EXPERIENCE

Software Engineering Assistant, *Space Dynamics Laboratory, Logan, Utah* *January 2023 - Present Day*

- Developed a Python container using Docker and deployed it with Kubernetes to integrate Python functionality into the project's C# backend enhancing scalability and portability
- Implemented communication between microservices using Apache ActiveMQ, and HTTP communications within the Kubernetes Cluster
- Participated in daily standups, code reviews, and design meetings with a team of 16+ engineers

Software Engineer Intern, *Biomerics, Salt Lake City, Utah* *Summer 2023*

- Developed a Linux camera driver and customized a Linux Kernel to be used on a Raspberry Pi 4
- Utilized the newly developed camera driver, and collaborated with Electrical Engineer to create an automatic testing platform for medical scope cameras on a Raspberry Pi HAT
- Worked directly with the customer to develop a cross platform application on a Raspberry Pi to script an Auto-Pipette Robot for a wide customer base

Computer Science Coach, *USU Computer Science Department, Logan, Utah* *Fall 2022*

- Worked one on one with 20+ students helping them understand concepts, plan out programs, design algorithms, methodically debug, and become proficient in the skills being practiced.
- Collaborated with CS coaches in order to provide solutions and explanations to common mistakes

## LEADERSHIP AND SERVICE EXPERIENCE

- Collaborated with various musicians in creating music that created interest to the audience, worked out various arrangements of pieces, communicated with organizers finding a common meeting time
- Conducted weekly training meetings of 9+ representatives, collected weekly progress reports, led discussion about areas of improvement, and set goals to achieve greater growth
- Trained new representatives for 3+ months each, communicated with management on a daily basis
- Organized, managed, and shipped stock for a charity