**Describe any Dev Ops experience that you may have. \***

**Infrastructure as code**

**Continuous deployment**

**Automation**

**Monitoring**

**Security**

My Dev Ops experience has come through my professional work experience at Oregon State University and Cambia Health Solutions and also through personal projects I have worked on. With the range of devices end users have access to and the speed which technology changes deploying software is inherently complex. One of my interests in developing software is working to make the development and deployment process as simple and error free as possible.

At Cambia Health Solutions every team member was responsible for deploying their own changes across two testing environments and into production. A lot of the deployment was standardized across the organization so depending on which project I was working on I was responsible for properly deploying into that environment. There was a lot of collaboration between engineering and business teams and I feel that the strong communication and relationships I had with people really helped make the process much easier. Deployment included code reviews before deploying to testing, working with an individual tester for our first testing environment (SYS2) and coordinating across units as we deployed to our second testing environment (PPMO). We worked in an Agile Environment so every sprint I would be deploying multiple change sets and usually had different tickets in different stages of testing.

While my professional experience is more important for this role being able to personally walk through all aspects of deployment on my own has also been an important part of my learning. For instance, I am currently working on a personal project related to finding on campus events that will have a native iOS app and an associated web site. While it is in development I am keeping the services primarily on AWS with a few APIs on Google Firebase. Working to personally keep the project within the limits of the free tier has been a good way for me to understand the cost structures associated with cloud deployment.