1. \* Please list your experience with object-based programming languages and which one you find to be the most enjoyable and why.  
    (Open Ended Question)

The three object oriented languages that I have the most experience with include Java, Python and JavaScript. My professional and personal experience has allowed me to be exposed to a range of technologies and languages but these three have been my favorite.

In my role at Amazon I am a Software Development Engineer supporting an internal application used by all of Amazon and our partners like Ring and Twitch. Our platform is a group of microservices supported by about seven engineering teams. They are primarily developed utilizing Java but we have a proxy server built with Node.js and Express with a React frontend. In my role I split my time fairly equally supporting the proxy server and also working on some of the other services built in Java. Some examples of the work my team and I were engaged in included designing and developing a self-service portal for our customers that helped remove the work of about four engineers and made requests that took days take minutes. I also wrote a number of Python scripts for bulk AWS operations.

At OSU I have worked as a Programmer and Business Analyst and in these roles I primarily used Java and python. As a graduate student I design software for digital radiation detection that was funded through the Nuclear Regulatory Commission and I mostly used Python. While working in the Division of Student Affairs I worked directly with the Dean on a large project conducting a large scale financial analysis related to accounting and labor costs. I primarily used Python for data analysis and Java for database interfacing.

I really enjoy working at all three of these languages and find they have both a lot of similarities and differences. For instance, I enjoy that Java is strongly typed with strong class definitions but also enjoy the prototype based class system in JavaScript for creating objects quickly. My favorite language is somewhat project dependent. I generally like to use Python if I am working on something research or data intensive. If I am working on a web application that is a personal project I like using JavaScript. If I am working on a large project like at Amazon I enjoy working with Java. Since Java is the first language I learned I really took an affinity for utilizing classes for code structure and find it helps when working with large teams. While I like all three of these languages I have found I most enjoy working on a well thought out and designed project that utilizes easy to understand design principles.

any of them can work great especially if you are using a design principles.

When I first began working at Amazon I felt a little overwhelmed and that it was a big change coming from my previous background. As I got into the code and saw how well designed most of our micro services were I felt it was easy to come on board and take tickets that touched upon different services that I had not worked on previously.

All of that being said if I had to choose a favorite I would probably go with Java but it really is a tossup for me and I am always up for learning new things. I recently began using Swift for an iOS project and have really enjoyed it.

1. \* After reviewing the OSU mission statement at http://leadership.oregonstate.edu/trustees/oregon-state-university-mission-statement and the emphasis on diversity, please state how your background and experience has prepared you to be effective in an environment that values diversity.  
    (Open Ended Question)

I have been fortunate to work in a number of roles in both a corporate and academic setting where I have been effective in an environment that values diversity. My first experience came as an intern at Legacy Health System where I helped to create a plan for the hospital’s supply chain to be able to partner with more minority owned vendors. Before working at Amazon I worked for Oregon State University in the Office of the Dean of Students supporting the Basic Needs Center as a Resource and Advocacy Analyst. While here I helped rebuild our data system for how we process and handle applications. While we averaged about 1400 applications per term they were very high priority and I helped build out a lot of analysis tools so our faculty and student staff could quickly find and work with high need students.

We served an incredibly wide range of diverse students and community members at the Basic Needs Center. While here I learned a lot from the incredibly knowledge and compassionate staff and feel it allowed me to grow in how I support others. I also enjoyed working here because in some engineering roles you do not have as much interaction with others but in this role I worked hands on with students and our student staff.

Finally, I have worked as a Teaching Assistant, Instructor and project sponsor for the Electrical Engineering and Computer Science Senior Capstones. This interaction with students has helped me to learn and grow as a person. I would love to bring this experience to the Department of Finance and Administration Information Technology at Oregon State University as an Analyst Programmer

I have been fortunate to work at OSU in a number of roles. In these roles I have been fortunate to work with an incredibly diverse student body and faculty. Awesome technical jobs can be more isolated in mine I have been fortunate that I have been able to engage with students and faculty heavily in almost all of my rules. I have also been fortunate to be able to be mentored and work with a lot of incredible leaders that know a lot about the struggles about how important it is to create a welcoming and an collusive environment. I feel this can be particularly challenging in technology where there is lotta barriers into stigmas for some entering the field. I have been able to see firsthand how important it is to recognize your own biases and appreciate the incredible contributions and intelligence that comes from everyone.

I have been fortunate to work in a number of roles in both a corporate and academic setting where I have been able to promote and support diversity. My first experience came as an intern at Legacy Health System where I helped to create a plan for the hospital’s supply chain to be able to partner with more minority owned vendors. Before working at Amazon I worked for Oregon State University in the Office of the Dean of Students supporting the Basic Needs Center as a Resource and Advocacy Analyst. I have also worked as an Instructor at OSU and a project sponsor with the Electrical Engineering and Computer Science Senior Capstone Teams.

 In my role at the Basic Needs Center I learned a lot about How I could be effective in an environment that values diversity. While I primarily worked as an analyst I was involved with all of the training and interacted with the students and community using our resources

how I could work to promote and enhance diversity working if I was selected to work as a Programmer Analyst at OSU. My role included supporting our technology and media outreach and also working hands on with students in programs like our Textbook Lending Program and Food Pantries. I worked here during the covid pandemic so much of my work was interfacing with clients digitally very similar to what I may do with Ecampus. One project I worked on included creating a student outreach program for applicants to out basic needs service application. This generally had about 1,400 applicants per term. I worked to build an inclusive form that students could easily navigate through and that provided important information to our staff. I worked with our student staff to understand their needs and what was important to them. I also created data filters for when the form closed so our staff could easily find students they needed to work directly with. Another thing that I learned about was that the digital and media presence that your organization has is very important and should be inclusive to people from all backgrounds and abilities. A lot of times, especially for students in Ecampus, the digital tools and technologies they interact with are a major part of their experience. If selected for this role I would want to bring my knowledge of working with students and faculty to their specific needs.