I can break my experience into two parts, coursework and internship. For coursework, I've worked quite a bit with object oriented programming in python and java, typically for data structures and algorithms related work. I've used various data analysis tools like Numpy, Pandas, and Jupyter Notebooks, largely for data manipulation and machine learning algorithms. I've also worked with C and C++ with relation to computer architecture, multithreaded environments, and parallel computing. In terms of internships, I've interned at AWS in their SDE role over the past 2 years. In this role, you're onboarded with a project (typically the construction of a new product or service) that goes through several phases. In the first phase, you're tasked with designing the technical details and creating a design document that outlines the goals for the team and most importantly, the customers or users. After this, you move through implementation and testing and finally have time to present your project at the end of the summer. This past summer, I worked for AWS User Notifications, which is a notification system in the AWS management console. For this team, I built a new central logging tool that would allow team members to more quickly identify missing notifications and complications in the data plane. In particular, loggin data is sent via AWS lambda functions to a database I implemented with DynamoDB, a NoSQL database. When logging data needs to be retrieved, an API request is made with the corresponding identifiers.