

Yunus Maltiti Mohammed

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EDUCATION

Cornell University - College of Engineering, Ithaca, New York, USA

Graduating Spring 2023

BSc Computer Science GPA : 4.02/ 4.00 Honors: Dean's List - 5 out of 5 semesters.

Relevant Coursework : OOP and Data Structures, Analysis of Algorithms, Computer System Organization and Programming, Functional Programming, Computer Networks, Operating Systems, Database Systems, Cloud Computing, Machine Learning

SPECIALIZED SKILLS

Python, C, Java, C#, .NET, OCaml, HTML, CSS, JavaScript, Typescript, Swift, R, Postman, Git, XCode, Django, Spring, SpringBoot, Maven

PROFESSIONAL EXPERIENCE

Microsoft Corporation, *Software Engineering Intern, Redmond, WA*

May 2022 - Aug 2022

- Designed an end-to-end telemetry service which has two loosely coupled Azure Functions to reliably read data from a CosmosDB and write it to Kusto (Azure Data Explorer) in a scalable and secure manner
- Experimented with various prototypes of the service I built using C# and .NET SDK while designing the telemetry service
- Experimentally explored using Azure storage types and messaging mechanisms as the mode of communication between the two Azure Functions
- Reviewed the telemetry design with my engineering team, and worked with my team to get the design approved
- Owned the development, testing, and deployment of the telemetry service and monitored the service after deployment
- Generated 7 automatically-updating telemetry reports displayed on accessible dashboards using Azure lens explorer

Intuit Inc, *Software Engineering Co-op, Remote*

Jan 2022 - May 2022

- Engineered and delivered an extension to my team's service used to reliably determine whether a given service on an older platform of our team can be safely migrated to a new platform using Java
- Collaborated with teammates and members of other teams to learn how to use services and resources they provide on my projects
- Requested for features from other teams for my project, tracked the progress of my requests, and pushed for the requested features to be delivered in due time
- Attended daily scrum with my team to provide updates, progress, and blockers on my project
- Designed, reviewed and developed an extension of my team's product to automate the migration of services from the older platform to the latest platform

Microsoft Corporation, *Software Engineering Intern, Remote*

June 2021 - Aug 2021

- Engineered and developed an extension in Azure to aid customers in authoring policy
- Attended daily scrum with my team to provide updates on my project
- Collaborated with my teammates to tackle problems related to our project
- Reduced the time team mates who started after me spent setting up their coding environment by updating the troubleshoot guide with my experience and helping those (2) who reached out
- Helped 2 colleagues with testing their projects

Aneta Technologies, *Software Engineering Intern, Remote*

June 2020 – Sept. 2020

- Built a custom API using Python's Django Web Framework to make it accessible to both web and mobile clients
- Developed data and request handlers, services, and authentication systems in Django to secure and protect data
- Connected the storage of static and media files to AWS S3 Bucket using Python's boto3 library

Teaching Assistant, *Cornell University, Ithaca, NY*

Sept. 2020 – May 2021

- Served as TA for "Introduction to Programming using Python" class of about 800 students for 2 semesters
- Supervised discussion/lab session, clarified concepts, and assisted students debug their code during office hours
- Read and graded student submissions for programming assignments
- Served as a calculus tutor for student athletes during the spring 2020 semester
- Aided students to understand calculus concepts that had been taught in class and helped them get started with assignments