

MIR AHMED

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EDUCATION

UNIVERSITY OF FLORIDA | B.S. in Computer Science | *Expected: December 2019*

RELEVANT EXPERIENCE

AMAZON | Software Engineer | *April 2020 - Present*

CAPITAL ONE | Data Engineering Intern | *June 2019 - August 2019*

- Created a generic service to consume streaming data from Kafka clusters & publish to Data Lake in order to remove duplicate code development & increase developer velocity across Capital One
- Utilized Python, Kafka, & AWS to perform Extract, Transform, & Load (ETL) for data analysis efforts

MOZILLA | Web Assembly Intern | *May 2018 - August 2018*

- Contributed to the Cranelift code generator by converting Web Assembly (WASM) code into machine code to decrease processing times on the web
- Implemented machine code instructions in Cranelift to decrease memory consumption for WASM

UNIVERSITY OF FLORIDA (UF) | Software Developer | *September 2017 - December 2017*

- Worked with a team of six developers using Agile and the MEAN Stack for frontend projects
- Used Sketch to design views for UF's Teaching Assistant Application System
- Responsible for user story creation targeted towards UI/UX improvements using Pivotal Tracker

PROJECTS

SPEECH ASSISTANT | Slackathon 2018 | *Node.js, Python*

- Combined Slack's Events API with Google's Speech-to-Text & Text-to-Speech APIs to create a voice-controlled personal assistant for accessibility purposes

COOKIN' READER | Make School iOS Academy | *Swift*

- Created an iOS application that allows users to input recipe steps and ingredients and to be read out aloud using AVFoundation, AVSpeechSynthesizer, and Realm Software

SPATIALIZE MUSIC TRACKS | 3D Audio Interfaces | *Python*

- Developed an application that manipulates audio and renders it in 3D space relative to the user using Head-Related Transfer Functions (HRTFs)

SKILLS

- **LANGUAGES:** C++, HTML/CSS, Objective-C, Swift, C#, JavaScript, Java, Python, Rust
- **TECHNOLOGIES:** MongoDB, Firebase, Kafka, Amazon Web Services (S3, Lambda, EC2)