

Fanuel Makonnen Abiy

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EDUCATION

Georgia Institute of Technology, College of Computing

Atlanta, Georgia

• Bachelor of Science in Computer Science

June 2017 - December 2021

SKILLS

Programming: JAVA, HTML, Python, JavaScript, Azure Cloud, C,

Courses: Database Systems, Algorithms, Junior Design, Mobile Computing, Education Technology, Statistics

Interests: Human Computer Interaction, UX Design, Wearable Technology, Computer Hardware

WORK EXPERIENCE

Software Development Intern, Adobe

Summer 2020

- Initialized work to transition from dial-tone frequency call support to a speech based interactive voice response(IVR) system to improve the customer experience.
- Created a data export script that gathered all the call data from their stored customer support calls to be sorted and analyzed for future model training.
- Analyzed existing call monitoring systems to evaluate potential supervised learning possibilities for a dependable training model to be used in the future IVR system.

Application Delivery Service Intern, Federal Reserve Bank Atlanta

Summer 2019

- Created a speech-to-text web application with text analysis using Microsoft's cognitive service API to minimize outsource transcription costs for the bank.
- Developed a chatbot using QNA Maker to allow bank examiners to readily reference laws and regulations with the potential to save time and reduce tedious searches.
- Enhanced the search system by providing modifiable search boost features and upvoting to push relevant results towards the top using Azure Search to improve the user search experience.

PROJECTS

CS 2110 Gameboy Project in C

Spring 2019

- Created a playable desktop program in C using the techniques taught in the class such as pointer reference, data structures, recursion, and memory allocation
- Used sprites as moveable objects and programmed them to move in cardinal directions, while remaining cognizant of the screen boundaries.
- Debugged and tested the code several times throughout the process to view how different additions affect the program overall.

CAMPUS INVOLVEMENT

National Society of Black Engineers

Fall 2017 - Present

- Help increase the number of culturally responsible black engineers who excel academically, succeed professionally, and positively impact the community.
- Network with other professionals working in STEM fields to help build communication skills and showcase abilities for job opportunities.

AWARDS & HONORS

- OMED Tower Awards for Academic Excellence: Bronze (2018)
- Fall 2019 Georgia Tech Dean's List
- Spring 2020 Georgia Tech Dean's List