HENOK TASISSA

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EDUCATION

University of the District of Columbia   Aug. 2017 - Dec. 2020
B.S Computer Science 2020
3.8 GPA

WORK EXPERIENCE

National Institute of Standards and Technology (NIST)   May 2019 - Aug. 2019
Software Engineering Intern, Gaithersburg, MD
- Teamed up with researchers in building Hedgehog, which is a C++ library to generate heterogeneous data-flow graphs.
- Developed a web application which is used for creating a task graph within a graphical user interface and generating the boiler-plate code associated with executing the graph using Hedgehog.
- Gained hands on experience working along with expertise in the field.

SKILLS

PROGRAMMING LANGUAGES: Python, Javascript, PHP, Java, C++, React Native, React, Node.js, HTML & CSS
DATABASE: SQL, Firebase, Mongo DB
VERSION CONTROL: Git

PROJECTS

AskAns (github link)   Oct. 2020 - Dec. 2020
- Developed question and answer platform for android and iOS devices using React Native.
- The application allows people to vote, filter by categories, and get notifications for users questions and answers.
- The application supports multiple languages.

Enoch Cipher (website link)   Nov. 2020 - Dec. 2020
- Conducted a research and created a new encryption technique for Amharic language.
- Developed an interactive web application for the users to experiment with the enoch cipher encryption system using React.

StoryLine Social Media Application (website link)   Mar. 2020 - July 2020
- Developed a social media application for android and iOS devices using React Native and Firebase.
- Released the application on Play store and App Store.
- It allows users to connect, chat, create, and share stories with their connections.
- It includes a realtime private messaging system, ability to react to different stories and give comments on stories and other features that allow users to engage with each other.

Virtual Pharmacy (link)   Jan. 2019 - Feb. 2019
- Collaborated on a team of 4 and utilized critical thinking skills to developed a Virtual Pharmacy assistant.
- Utilized IBM Watson services and data collection algorithm to allow users access 4100 drugs by using google assistant application.
- Team won 2nd place out of a total of 7 HBCUs on the AMIE Design Challenge at BEYA conference.

Lehagere - Web App (github link)   June 2018 - Aug. 2018
- Developed a discussion board website using HTML, CSS, Javascript, jQuery, PHP and MySQL.
- The website allows users to register, login, make posts and upload images in different categories, view posts, view user's profiles, update their profile, make comments and like or dislike posts and comments.

LEADERSHIP

Association for Computing Machinery (ACM), President   Fall 2018 - Fall 2019
- Presided ACM club.
- Gave guidance, built relationships, and networked with other ACM members.
- Assisted in creating, promoting, and facilitating events within the organization.