AMIR NICHOLAS INCE

(973) 262-8273 **|** amir.ince@bison.howard.edu **|** [LinkedIn](#) **|**[GitHub](#)

EDUCATION

Howard University, Washington D.C.   **Anticipated Graduation: May 2025**
B.S. in Computer Science   **GPA**: 3.85/4.00
Google Tech Exchange Program   Spring 2023

Relevant Coursework: Data Structures, Design Patterns, Artificial Intelligence, Linear Algebra, Discrete Math
Technical Skills: C (3yrs), Python (3yrs), C++ (3yrs), Java, Web Dev (Full stack), Amazon Alexa SDK, MATLAB, Flask.

WORK HISTORY

Howard University - NIH AIM AHEAD Initiative, Washington D.C. - *Research Assistant*   **May 2022 - Present**
- Collaborated with two researchers to develop and enhance an Amazon Alexa Skill in Java, designed to evaluate the cognitive ability of elderly individuals.
- Led the development effort and conducted extensive research to identify and implement Natural Language Processing (NLP) techniques to accurately parse user speech and calculate response scores.
- Successfully integrated a Firebase database to store and extract user responses, as well as developed a custom data capture solution using speech-to-text technology to enable export of user responses to a FireStore database for further analysis.
- Successfully re-coded an Amazon Alexa Skill from JavaScript to Python within three weeks, leveraging an open-source Python library to interface with the Alexa API. Which enabled the porting of the skill to custom hardware.

Mount Gay Distilleries Limited, Barbados - *Engineering Intern*   **August - December 2020**
- Played a key role in maintaining and servicing various types of machinery at a Distillery and Bottling complex, resulting in a significant reduction in downtime and a faster return to production within two weeks.
- Collaborated effectively with one other intern to conduct daily preventative maintenance checks on mechanical equipment, contributing to the identification and resolution of defects before they caused any significant disruptions to operations.
- Gained valuable experience in prioritizing, managing, and assigning tasks to an engineering team, learning how to balance competing demands and optimize team performance.

PROFESSIONAL DEVELOPMENT / PROJECTS

Wiki Viewer Website (Class Project)   **March 2023**
- Utilized Flask and Python to create the backend for the website and to access the user login data and website content from Google Cloud Buckets.
- Created and tested and signup, login and logout method for the website which authenticates the user login and implements hashing to keep user data protected once stored in the Google Cloud Bucket.
- Collaborated with 2 classmates to ensure website functionality by creating unit tests using fixtures and the Pytest library.

Restaurant Ordering System (Class Project)   **October 2022**
- Developed a restaurant ordering system in C++ that allowed users to easily view the menu sorted items by category or price, resulting in a more streamlined ordering experience.
- Implemented a queue system to manage orders, ensuring that they were processed in a fair and efficient manner.
- Designed and built a max heap algorithm, resulting in VIP members being placed at the front of the queue.
- Conducted extensive testing to identify and address issues with the system, resulting in a reliable and user-friendly product.

Google HBCU/HSI Coding Challenge   **February 2022**
- Worked in a team of 3 engineers to complete a suite of programming challenges in Python.
- Solved fundamental data structure/algorithm prompts in a collaborative engineering environment.
- Competed against 100 other HBCU/HSI students across the country.

LEADERSHIP EXPERIENCE

Howard University, Washington D.C. - *Resident Assistant*   **August 2022 - Present**
- Mentored 76 culturally diverse residents, fostering a sense of community and providing growth opportunities.
- Resolved complaints, responded to emergencies, and enforced residence regulations.
- Executed monthly recreational activities for residents, including cost estimations and budgeting.

Howard University IPals, Washington D.C. - *Treasurer*   **August 2022 - Present**
- Plan and organize fundraising events every semester to replenish the organization's funds.
- Develop and present funding proposals to secure funding for the organization at least twice a year.
- Successfully tripled the organization's funds within two months.