KIERA BROWN

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EDUCATION

Howard University
B.S. Computer Science
Expected May, 2021
GPA: 3.77
Relevant Courses: Unix Lab, Intro to Computer Science, Computer Science 1, Computer Science 2, Algorithms and Data Structures, Discrete Structures, Computer Organization 1 & 2, Intro to Affective Computing, Theory of Computation, Applied Data Science, Software Engineering

Google Tech Exchange · Jan. 2020 to May 2020
Chosen as one of 40 scholars to live in silicon valley, and learn at Google Headquarters for a semester for "Tech Exchange," a domestic exchange program by Google for underrepresented students in Tech. Took applied computer science courses taught by Google engineers and experts in the field in the following areas: Applied Data Structures & Algorithms, Human Computer Interaction, Database Systems, and Product Management

SKILLS

PROGRAMMING LANGUAGES: Java (4 years), C++ (3 years), Python (3 years), VBA (1 year), R (> 1 year), SQL(> 1 year), Javascript(> 1 year)
OPERATING SYSTEMS: Microsoft Windows, Unix/Linux, Mac OS

EMPLOYMENT

GENERAL ELECTRIC RENEWABLE ENERGY — Greenville, SC
Edison Engineering Development Program Intern — May 2019 to Aug. 2019
· Developed various scripts to enhance fleet configuration management and data processing for wind turbines
· Simultaneously worked on 5 VBA macro tools to easily identify and eliminate human errors potentially responsible for turbine collapses
· Reduced the process to create data values for a new turbine configuration from 5 days to 3 minutes, which saves the company a little over $4,000 every time the tool is run

NSBE — San Diego, CA
SEEK Educator — June 2018 to July 2018
· Taught as a main fourth-grade instructor to expose youth to the world of engineering through hands-on projects
· Organized learning plans for the three-week course that covered the basic principles of engineering
· Mentored students in building small locomotives to compete in challenges based on engineering themes of the week

PROJECTS

STRONG START · Jan. 2020 to May 2020
· Created a smart scheduling app that uses the user's machine learning techniques to construct a personalized schedule for college and high school students in Google's Product Management course
· Created a high fidelity wireframe using Figma and wrote a PRD for the product
· pitched Strong Start to a panel of Product and Program Managers at Google

RESERVATIONS DATABASE · Feb. 2020
· Used Python Flask and HTML to create a website where users can view, add and edit information about boat reservations spanning over the past year
· Stored and edited reservation data into database using SQLite

CLUB HUB · Feb. 2020 to Mar. 2020
· Executed the full design process to create an app to centralize information about university clubs and orgs for students
· Conducted User Research to gain insight that was later used to create a wireframe using Figma
· Used data from prototyping and testing to iterate on previous solutions

THE PREGAME: BLACK ENTERTAINMENT · Sept. 2019 to Dec. 2019
·Used Node.js, CSS, and HTML to create a web application where users can play multiple choice trivia games about Black popular culture in movies, music, and TV shows
·User information, including login and custom-made game questions, are stored and accessed from a firebase database

OFFIT · Spring 2019
· Created an app prototype using Ionic Creator that employers can use to motivate their employees to exercise by suggesting monetary rewards for completed challenges
· Used HTML and JavaScript to add custom design features to emphasize effective computing concepts to increase user interaction

NETFLIX PLAYLIST · Dec. 2018
· Used C++ to create a Netflix playlist of the user's favorite movies and TV shows depending on the amount of free time they have and preferred genres
· Utilized linear search and insertion sort algorithms to create and sort the playlist based on user preferences

MEDICAL LITERACY PROGRAM · Mar. 2018
· Used C++ to translate quantitative medical data provided by the user into qualitative data that can be easily understood
· Provides references on how to retain healthy cholesterol and blood pressure levels if there are warnings from unhealthy results

AWARDS

NSBE · **NSBE FELLOWS SCHOLARSHIP** — Apr. 2019

College of Engineering and Architecture · **DEAN'S LIST** — Winter 2019

Howard University · **CAPSTONE SCHOLARSHIP** — Mar. 2017

ACTIVITIES

SECRETARY OF NSBE — Fall 2019 to Current

TREASURER OF NSBE — Fall 2018 to Spring 2019

INITIATE OF TAU BETA PI ENGINEERING HONOR SOCIETY — Spring 2019 to Current

MEMBER OF SWE — Aug. 2017 to Current

MEMBER OF ACM — Fall 2017 to Current

HER CAMPUS HOWARD EVENT PLANNING TEAM — Fall 2017 to Spring 2019