

Kori Vernon

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Education

- August 2018– Present **New York University**, *Tandon School of Engineering*, B.S. Computer Science, GPA: 3.317.
Expected December 2021
- Relevant Coursework Artificial Intelligence, Computer Systems Organization and Architecture (Verilog), Data Structures and Algorithms (Python, C++), Databases (SQL), Object Oriented Programming (C++)
- August 2016– May 2018 **Saint Augustine's University**, *59 Credits*, Business and Biology Concentration, GPA: 3.897.

Technical Skills

- Languages Python (Strong), C++ (Strong), Verilog (Previous Experience), HTML/CSS (Previous Experience), Dart (Previous Experience), JavaScript (Previous Experience)

Experience

- June 2021– Present **Technology Analyst**, *Reliability and Production Engineering (RPE)*, Automated Market Making (AMM), Morgan Stanley.
- Worked on a report aggregation tool and dashboard for AMM to easily: load in, view, query, export, and delete outdated data to expedite the process to solve and resolve issues efficiently.
 - I was introduced to Morgan Stanley technologies in addition to having an introduction to new concepts/areas in computer science, finance, electrical engineering, and financial mathematics.
- June 2019– Present **Teaching Assistant**, *Data Structures and Algorithms and Introduction to Programming*, New York University.
- Assist faculty and other instructional staff by performing teaching related duties, developing teaching materials, preparing 3 exams, hosting office hours and labs, grading exams and homework.
 - Create resources and provide over 200 students every semester with information to grasp a stronger understanding of Data Structures and Algorithms and introduce students to programming and problem solving using Python.
- May 2018– Present **Owner**, *Ahīa Solutions*, Digital Marketer and Videographer, Ahīa, LLC..
- Digital and Video Marketing Firm focused on improving the social media presence of minority-owned small businesses in the Research Triangle Park area.
 - Managed the Facebook and Instagram pages of 3 small businesses, grew their account engagements 3-fold, increased overall online and storefront sales by 15%.
- May 2019– **Program Assistant**, *NYU Residential Life*, New York University.
- August 2019
- Worked with team to develop an inclusive community for over 80 residents.
 - Worked with staff to execute programs that would cater to the residents, fostering social, political, and cultural development.

Projects

- July 2020 **BlackOwned**, *Partner*, React Native.
- Application created to discover black owned businesses near users so they can take action and support Black Owned Businesses in their community.
 - Implemented map search feature to make user experience better.
- August 2020 **Call/Put Stock Option Finder**, *Personal Project*, Python.
- Utilized yfinance library in Python to create an algorithm to find stock option contracts that are within budget and send me an email pre-market open on weekday mornings.
 - Highlighted trades are then further analyzed for validity.
 - Generated an average of 68% weekly profit for 9 weeks.

Leadership Activities

- May 2019– **New York University National Society of Black Engineers**, *Entrepreneurship and Special Projects Chair*.
- December 2019
- Started BLAC (Bi-Yearly Logistical Assembly Cooperatives) Projects, an initiative to increase the entrepreneurial spirit in NSBE.
 - Established the NYU NSBE Hackathon Team.