New York, NY
+1 919 410 2217
korivernon@nyu.edu
korivernon.com
korivernon
korivernon

Kori Vernon

Technical Skills

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

Experience

June 2019–Present **Teaching Assistant**, *Data Structures & 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**, *Ahïa Solutions*, Ahïa, 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%.

October 2021 **Full Stack Developer**, *Private Equity Connection*, New York.
- Tasked with connecting the front and back end of a web-based Private Equity modeling application created from the ground up.
- Utilized Python and Flask library to create a proof-of-concept for the application.
- Dynamically created excel models (.xlsx documents) via the user interface.

June 2021–August 2021 **Summer 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- Worked on a report aggregation tool and dashboard for AMM to easily: load in, view, query, export, and delete outdated data to expedite the process to solve and resolve issues efficiently.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.

Projects

December 2021 **License Plate Character Classification**, Python.
- Collected sample images of license plates and built license plate character classification models using Logistic Regression, Support Vector Machines, and Neural Networks.
- Logistic Regression, and Support Vector Machines had a performance of 100% on our sample license plate (Crazy, I know, right?).

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.

Education

August 2018–December 2021 **New York University**, *Tandon School of Engineering*, B.S. Computer Science, *GPA: 3.337*.
Mathematics Minor

Relevant Coursework Artificial Intelligence, Computer Systems Organization and Architecture (Verilog), Data Structures and Algorithms (Python, C++), Databases (SQL), Object Oriented Programming (C++), Machine Learning

August 2016–May 2018 **Saint Augustine's University**, *59 Credits*, Business and Biology Concentration, *GPA: 3.897*.