

MICHAEL MAYAGUARI

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Astute fourth year computer science student with data analysis and customer service experience seeks an opportunity as data analyst in the financial technology industry.

EDUCATION

B.S. Computer Science, minor in Economics, The City College of New York: May 2021

RELEVANT COURSEWORK

Algorithms; Calculus; Data Structures; Databases; Discrete Mathematics; Linear Algebra; Probability & Statistics; Physics; Software Development, Visualization, Web Security, Writing for Engineering.

QUALIFICATIONS

Technical Skills: Intermediate in C++, HTML, Java, JavaScript, Lua, Python, and Scheme. Proficient in Microsoft Office and Wix.

Key Skills: Efficient at communication, analysis, critical thinking, organization, and time management.

Core Qualities: Professional, reliable, responsible, team player, patient, curious and ambitious.

Languages: Fluent in Spanish

PROJECTS

The Hive: Lead a group to develop a system that will facilitate active teaming of people with similar interest and skill-set to forge groups for a certain do-good project. Python based GUI and MySQL for database. Spring 2020

Viz Website: Designed and developed a website using personal financial data analysis visualizations. Spring 2020
The site organizes and describes the analysis of the graphs created with Vega to help us understand our spending habits.

SHPE Jr.: Co-director for the project in charge of the financial logistics. February 2020

SHPE Jr. Chapters provide youth with opportunities to participate in hands-on STEM activities.

IoCrea: Digital marketing Start-up to help local small shops afford an online presence with a website created using Wix. 2018 – 2020

WORK EXPERIENCE

Lead Instructor, CodeAdvantage.org, New York, NY May 2020 – Present

- Preparing the next generation of technology leaders by mentoring and teaching core computer science concepts.
- Introduce via zoom Lua Programming language to 3rd-5th graders in an engaging and fun manner using Roblox Studio.

Front Desk Agent/Night Auditor, Edge Hotel, New York, NY September 2017 – December 2019

- Manage the booking and billing of guest reservations, review daily financial reports, and maintain cash drawer.
- Handle guests' complaints by resolving issues quickly and professionally.

Organization Assistant for Technical Director, University at Buffalo Center for the Arts, Buffalo, NY November 2016 – May 2017

- Created Excel spreadsheets establishing an electronic filing system for key financial documents.
- Updated files monthly and communicated information to accountant.

Electrician's Assistant, Hudson River Electric Inc, Irvington, NY 2016 – 2017

- Installed, repaired, replaced electrical wiring, and electrical parts.
- Read, interpreted, and executed drawings, blueprints, and electrical code specifications to install electrical equipment.

INTERNSHIP

Data Science Intern, Pfizer, New York, NY July – December 2019

- Developed an Alexa Skill to predict the probability of the user to have a rare disease. Lambda function was built using a decision tree model with a 91% accuracy.
- Learned how to creatively and efficiently mine significant amounts of diverse and different data sources for a given analysis using SQL techniques, and Python. Explored data and insights through creative visualization techniques (i.e. Tableau, or D3)

Intern, Young Adult Internship Program, Northern Manhattan Improvement Incorporated, New York, NY July – September 2017

- Participated in job readiness training including resume and interview support, job search techniques, and professional skill training in areas including conflict resolution, leadership, and timeliness.

COMMUNITY ENGAGEMENT

Lead Instructor, America On Tech, New York, NY, Present

Mentor, CovEducation, New York, NY, 2020

Team Captain, Google Tech Challenge, New York, NY, 2019

Home Builder, Habitat for Humanity, UB Circle K, Buffalo, NY, 2017

AFFILIATIONS

Senator, Undergraduate Student Government, 2020

Co-director, Latin American Engineering Student Association – SHPE, 2019 – Present

Treasurer, Tau Kappa Epsilon Fraternity Inc. 2019/20