Jonathan Hercules

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Education

University at Buffalo   *Buffalo, NY*
Bachelor of Science in Computer Science, 3.30 GPA   *Sept 2016 - Expected May 2020*
- **Courses:** Calculus I-III, Applied Probability & Statistical Inference, Macroeconomics, Data Mining, Statistical Methods, System Administration, Software Engineering
- **Dean's List:** Achieved Academic Excellence for the Spring semester of 2017.

Technical Skills

- **Programming Languages:** Python, SQL, C++, Java (Familiar), JavaScript
- **Technologies:** GitHub, Visual Studio Code, Microsoft Excel, Linux/Unix, Windows, Agile Development
- **Analytical:** Data Analysis, Statistics, Probability

Experience

Information Technology Management Intern   Sept 2019 - Present
Hunter James Kelly Research Institute   *Buffalo, NY*
- Maintained and enhanced the institute's website for a better user experience.
- Integrated web frameworks such as Google Analytics to track the correct amount of user traffic on the website.
- Managed given projects and issues related to the IT systems of the organization.

Academic Tutor   Sept 2019 - Present
University at Buffalo Tutoring and Academic Support Services   *Buffalo, NY*
- Provided tutoring services to students in the following courses: Introduction to Computer Science 1, Discrete Structures, Statistics, Economics and other courses.
- Hosted weekly walk-in hours throughout the academic semester for any student.
- Conducted one on one study sessions upon a student's request.
- Created reports on each session to measure the progress of each student throughout the semester.

Projects

Qualitative Bankruptcy   Nov 2019
- Solved a Classification problem for a dataset to accurately predict whether a business goes bankrupt or not.
- Assessed with a Decision Tree Algorithm for the model with a variety of metrics such as Management Risk, Financial Flexibility, Credibility, and Competitiveness.
- Developed with the following tools: *Python, Matplotlib*.

CropShop   Sept 2019- Dec 2019
- Collaborated with a team of developers to construct an Android App for consumers to purchase from farmers at reasonable prices and act as a new platform for farmers/sellers.
- Nominated to demonstrate the project at the CSE Fall 2019 Demo Day for the University at Buffalo.
- Used the following tools for the application: *Android Studio, Firebase, XML, Java, Agile.*

Personal Portfolio Website   April 2019
- Created and developed own website as a portfolio to showcase my projects and skillset.
- Used web development tools such as: *Bootstrap, HTML, CSS*.

Activities

Volunteer, *University at Buffalo STEM Career Fair*   Oct 2019
Active Member, *University at Buffalo's Association of Computing Machinery*   Sept 2017 - Present
Member, *University at Buffalo's Society of Hispanic Professional Engineer*   Feb 2018 - Oct 2018