

Samy Dahman

sd7fpy@virginia.edu | (+1) 202-766-2060 | South African/French Citizen

EDUCATION

University of Virginia, Charlottesville, Virginia

June 2023

- Bachelor of Science in Commerce with a Concentration in Finance
- Bachelor of Arts in Computer Science, Minor in Mathematics
- GPA: 3.76 | CS Major GPA: 3.825

Awards

- Recipient of UVA Club of Washington, DC Scholarship 2019-2020
- Dean's List for Fall 2019 semester (was not released for Spring and Fall 2020 due to COVID-19)

Relevant Course Work

Program and data representation (Data structures and algorithms), Multivariate Calculus, Discrete Math, Cryptography, Algorithms, Linear Algebra, Mathematical Probability, Financial Accounting, Managerial Accounting, Machine Learning, and Introduction to Statistical Analysis

EXPERIENCE

University of Virginia – *Summer Undergraduate Researcher*

June 2021 - August, 2021

- Selected to conduct research on machine learning's applications on cloud computing job scheduling with Professor Haiying Shen. The goal is to make job scheduling more efficient, requiring less time and resources.

Global Markets Group – *Analyst*

February 2021 – Present

- Analyzing European investment opportunities as part of the European region investment sub-group that is part of the larger \$20,000 AUM fund. GMG boasted the highest return this year of any UVA fund at 46%.

Virginia Consulting Group – *Analyst*

February 2021 – Present

- Consults for a software startup, specifically helping gain users through designing and analyzing surveys.

Open Water Accelerator – *Software Development Intern*

June 2020 - August, 2020

- Recruited to intern at Say Mile, a start-up that specializes in online delivery software, working on backend data-management with Amazon Web Services, MongoDB, and Algolia.

Colonnade Capital Partners LLC – *Analyst*

September 2019 – January 2021

- Implementing long/short strategies on NYSE by pitching new positions in the fund's portfolio to be later voted on by partners of a \$100,000 AUM fund.

SKILLS

Programming expertise

- Languages: Python, C++, Java, JavaScript (Also comfortable with Linux systems & Git)
- GitHub: <https://github.com/SamyDahman>
 - Python scripts, C++ data structures & algorithms projects (email for access; has to remain private)
- Data analysis & Machine Learning
 - Confidence intervals, significance testing, data visualization, regression (multivariate, linear, logistic)
 - Modules/libraries: NumPy, statsmodels, seaborn, Pandas, SciPy, Matplotlib
 - ML Libraries and Methods: Scikit-Learn, Keras, and TensorFlow for SVM, ensemble learning, random forests, boosting, k-means, clustering, reinforcement learning, and deep learning
 - Proficient in Excel, specifically for financial analysis like Discounted Cash Flow
- Amazon Web Services & Large-Scale Data
 - Utilizing AWS Lambda, S3, and API Gateway to run a serverless backend system
 - MongoDB, Firebase, Algolia for organizing large-scale NoSQL data through AWS Lambda
 - EC2 server creation and Flask (python back-end) integration

Languages

- Intermediate French