

# Malcolm J. Mashig

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## Education

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**Columbia University | MS in Computer Science** | New York, NY 2021 - May 2022

- Concentration: Machine Learning

**University of Virginia (UVA) | BA in Statistics & Computer Science** | Charlottesville, VA Class of 2021

- 3.9 GPA
- Echols Scholar, *College of Arts & Sciences Honors Program*
- Notable Courses: Artificial Intelligence, Natural Language Processing, Information Retrieval, Cloud Computing, Databases, Software Development, Probability, Regression Analysis, Accounting

**Mahwah High School | Mahwah, NJ** Class of 2018

- Top Five Student Award (based on 101.7 GPA)
- 1510 SAT: 780 Math, 730 Reading
- Max Riggsbee Scholarship for “outstanding character and moral fiber in the pursuit of education”

## Technical Skills

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Programming Languages	R, Python, C++, Java, C, SAS, SQL, Haskell, Matlab, Tableau
Machine Learning Tools	TensorFlow, Keras, Scikit-learn, PyTorch, Kaldi
Big Data Tools	Hadoop, Hive, Spark
Other Software	GitHub, Bitbucket, Confluence, Google Colab, Slack, Jira, Excel

## Experience

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**Theta Equity Partners | Software Engineering Intern** | Remote 2021 - Present

*A small customer-analytics consultancy pioneering Customer-Based Corporate Valuation (CBCV)*

- Develop software (in R) for generating model diagnostics and client-ready, interactive dashboards

**Research for Sustainable Commerce at UVA | Research Fellow** | Charlottesville, VA 2018 - 2021

*A team of students under UVA Marketing Professor Jeffrey Boichuk studying how to encourage a “triple bottom line” focus through local business partnerships*

- Analyzed and modeled internet search interest for various B Corporations in an effort to assess the value of B Corp Certification (pursued publication in the Journal of International Business Studies)
- Studied statistical techniques and academic literature in areas such as CBCV and Customer Lifetime Value (CLV)
- Attended 2020 and 2019 RStudio Conferences in San Francisco, CA and Austin, TX

**The Cavalier Daily | Chief Financial Officer** | Charlottesville, VA 2018 - 2021

*UVA’s student-run, financially-independent news organization with 400+ student staffers, 95K+ monthly readers, and \$90K+ in annual advertising revenue*

- Supervised advertising manager, finance manager, business staff and all greater business operations
- Sold print and digital advertisements to local businesses
- Ensured advertising sales were documented, clients were invoiced and payments were collected
- Constructed annual budgets and biweekly cash-flow forecasts
- Paid monthly expenses, processed payroll and applied for loans (such as the PPP)
- Corresponded with organization’s alumni association and board of directors regarding organization initiatives and fundraisers

**Mathnasium Learning Center | Math Instructor** | Ramsey, NJ 2018

- Tutored students in various K-12 math topics

**Stop & Shop Supermarket | Cashier** | Franklin Lakes, NJ 2017

- Assisted customers at check-out