



Malcolm J. Mashig

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Objective

- Seeking summer internship opportunity and admission to MS or MEng computer science program in which I can develop my technical and analytical skills and prepare for a career in machine learning engineering

Education

Class of 2021 **University of Virginia (UVA)** 3.88 GPA

BA in Computer Science and Applied Statistics

- *Computer Science Courses:* Machine Learning, Artificial Intelligence, Natural Language Processing, Computer Vision, Cloud Computing, Information Retrieval, Databases, Software Development, Program & Data Representation, Computer Architecture, Discrete Math, Theory of Computation, Algorithms
- *Statistics Courses:* Time Series, Regression, Mathematical Statistics, Linear Algebra, Probability, Data Analysis, Capstone Project
- *Other Courses:* Financial Accounting, Managerial Accounting, Commercial Law, Legal Writing, Data Science, Commerce

Echols Scholar: *College of Arts & Sciences Honors Program*

- According to the FAQs section on the program's webpage, "selection as an Echols Scholar [upon admission] is a holistic process that considers three main attributes: outstanding academic achievement, academic leadership, and felicity of expression"

Class of 2018 **Mahwah High School** 101.71 GPA

1510 SAT: 780 Math, 730 Reading

35 Advanced Placement (AP) Credits

Top Five Student Award (ranked by GPA)

The Maxwell Riggsbee, Sr. Scholarship

- For "outstanding character and moral fiber in the pursuit of education"

Experience

2018 – Pres. **The Cavalier Daily** | *Chief Financial Officer*

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

- Supervise paid Business Manager, Advertising Manager + Staff, Finance Manager + Staff and all greater business-related operations
- Handle all advertising inquiries; reach out to local organizations/businesses to sell print and digital advertisements; work with clients to ensure fulfillment, invoicing and collected payment of advertisements

- Tasks include: financial forecasting, paying bills, documenting transactions, running payroll, filing taxes, securing loans (such as the PPP), analyzing cash-flow and organizing fundraising efforts
- Correspond with the organization's Alumni Association and Board of Directors to approve budgets, initiatives and funding requests

2018 – Pres. **Research for Sustainable Commerce** | *Research Fellow*

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

- Paid work-study position: 20 hrs/week
- Analyze and model internet search interest for various B Corporations in an effort to assess the value of [B Corp Certification](#) (pursuing publication in JIBS)
- Study relevant statistical techniques and academic literature in areas such as Customer-Based Corporate Valuation (CBCV) and Customer Lifetime Value (CLV)
- Attended 2020 and 2019 RStudio Conferences in San Francisco, CA and Austin, TX

2018 Mathnasium Learning Center | *Math Instructor*

2017 Stop & Shop Supermarket | *Cashier*

2017 Mahwah Public Library | *Volunteer*

High School Activities

2014 - 17 Boys Varsity Soccer, *Team Captain*

- Four Year Starter
- County All-Star (2017)
- First Team All-Division (2016 & 17)
- Thunderbird Pride Award (2016 & 17)
- Second Team All-Division (2015)

2012 - 18 EDP-League Club Soccer (NJ Stallions)

2016 - 17 Mock Trial

2014 - 18 Math League

2017 - 18 National Honor Society

2016 - 18 Math Honor Society

2015 - 18 School Newspaper

Technical Skills

Programming Languages:

- R, Python, C++, Java, C, SAS, SQL, MATLAB, Scala, Tableau

Big Data Tools:

- Hadoop, Hive, Spark

Machine Learning Frameworks:

- TensorFlow, Keras, Scikit-learn, PyTorch

Collaboration Software:

- GitHub, Google Sheets + Google Suite, Excel + Microsoft Suite, Jira, Slack