

Daniel Babitskiy

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SKILLS AND CREDENTIALS

Spring 2022 Coursework: Advanced Machine Learning Applications for Finance, Economics of FinTech, Fixed Income Securities, FinTech Programming

Programming: Python, R, C++, SQL, Raspberry PI, Solidworks, LaTeX, CAD Software, Excel, Powerpoint

Mathematics: Computational Methods, Data Analysis, Econometrics, Statistics, Stochastic Processes, Quantitative Analysis

Certifications: Bloomberg Market Concepts

EDUCATION

M.S. Mathematical Finance & Financial Technology Expected January 2023
Boston University, Questrom School of Business Boston, MA

- Coursework: Fundamentals of Finance, Programing for Mathematical Finance (Python, R, C++), Statistics for Mathematical Finance, Stochastic Methods of Asset Pricing

B.A. Economics; Minor in Biology [GPA 3.41] September 2017 - May 2021
University of Massachusetts Boston Boston, MA

- Merit award: Cum Laude, Honors in Economics, Honors College Scholar, Dean's List, Alpha Lambda Delta
- Coursework: Calculus I & II, Economic Development, Fundamental Physics I & II, International Finance, Probability & Statistics, Political Economy, Macroeconomics, Microeconomics, Macroeconomic Theory, Microeconomic Theory

EXPERIENCE

Peer Mentor September 2020 - May 2021
University of Massachusetts Boston, College of Science and Mathematics (CSM) Boston, MA

- Met regularly with the Dean of the CSM to create curricular plans for the Pre-Med B Freshman Success Community
- Advised and mentored students on courses, internships, and extracurricular activities to promote student success

Amazon Prime Student Campus Manager August 2019 - May 2021
Riddle & Bloom Boston, MA

- Used personal social media to market Prime Student on campus through creative content creation on Instagram in order to generate new student users, while also quantifying data in the compilation of reports on student engagement metrics
- Selected to participate in focus groups with Amazon executives to provide constructive feedback on the program as well as insights into how to improve branding and boost overall efficiency while maximizing user engagement

Clinical Research Intern June 2019 - August 2019
Rambam Health Care Campus Haifa, Israel

- Researched diseases such as AIDs, oncological blood diseases such as ALL, AML, multiple myeloma, lymphoma and genetic blood disorders such as sickle cell disease and thalassemia in order to quantify the findings about them
- Utilized various tests such as ESR, gel electrophoresis, platelet counts, CBC, and HB to statistically analyze patient blood samples and identify different factors which influence the onset of various diseases in local diverse ethnicities

PROJECTS

Stock Selection with Market Timing via Factor Analysis and Behavioral Finance October 2021 - December 2021
Boston University, Questrom School of Business Boston, MA

- Collaborated with a team of students to successfully construct trading strategies using market timing, factor analysis, and behavioral finance in order to help with market decisions on the timing of whether to buy or sell certain stocks
- Used the Piotroski F-score to measure a S&P 500 company's profitability, financial leverage and operating efficiency

Honors College Senior Thesis September 2020 - May 2021
University of Massachusetts Boston Boston, MA

- Completed an interdisciplinary senior thesis titled "Behavioral Economic Factors Influencing Distribution Logistics and Equitable Access to COVID-19 Vaccines in the United States" which intertwined both economics and biology
- Analyzed approaches used to develop the vaccines, behavioral economic issues such as vaccine hesitancy affecting uptake, logistical challenges, and created a cost benefit analysis (QALY) to identify optimal vaccination outcomes
- Presented at the Massachusetts Undergraduate Research Conference and UMass Undergraduate Research Presentations

ADDITIONAL INFORMATION

Languages: English: Native proficiency, Russian: Native proficiency, Spanish: Professional working proficiency

Interests: Basketball, Biking, Cross-Country Skiing, Hiking, Photography, Running, Traveling, Tutoring, Volunteering