

Damian Antoan

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EDUCATION

University of Chicago, Chicago, IL, GPA: 3.3

June 2025

Majors: *Bachelor of Arts in Economics with Specialization in Data Science, Bachelor of Arts in Physics*

Economic Experience: Market Operations, Core Economic Theory, Computational and Data Analysis, Econometrics

Mathematics Experience: Discrete Linear Algebra, Multivariable Calculus, Differential Equations, Mathematics of Quantum Mechanics (Abstract Linear Algebra), Mathematical Foundations of Machine Learning

Advanced Physics Experience: Mechanics, Electricity & Magnetism, Waves and Optics, Quantum Mechanics

PUBLICATIONS

Antoan, Damian, Andrew Eggers, et al. "More 'clarion call' than 'moral hazard': Balanced messaging about solar engineering raises concern but does not affect support for decarbonization." (Pending Publication), 2024

WORK EXPERIENCE

Wells Fargo Bank N.A., Charlotte, NC

June 2024-August 2024

Corporate & Investment Banking Risk Intern Analyst

- Led the preliminary analysis for a new market risk error detection system, leveraging SQL, Python, and Excel to identify data inadequacies by applying forecasting and statistical techniques. Presented findings and processes that contributed to the development of a data health assistant.
- Independently managed and automated the Q2 Reconciliation process during a senior associate's absence, implementing Excel VBA code to streamline data validation between systems and the General Ledger, resulting in significant time savings for the team.
- Revamped an outdated data review process by utilizing machine learning models and statistical analysis to create new dynamic thresholds, improving the detection of significant data discrepancies. Delivered a comprehensive presentation to the team with recommendations based on in-depth research and analysis.

Stroke Wellness Center, Pittsburgh, PA

January 2020-September 2020

Co-Founder and Head Software Developer

- Pioneered the establishment of a nonprofit stroke clinic designed to provide a resource for low-income stroke patients out of UPMC
- Designed, developed, and maintained a dynamic website, ensuring accessible online presence for the organization
- Spearheaded the inception of a patient-therapist connectivity app, proactively adapting to the evolving healthcare landscape during the COVID-19 pandemic
- Demonstrated adaptability and strategic thinking by navigating through COVID restrictions and pivoting business operations

SKILLS

Operating Systems: Windows, IOS, Microsoft Office Tools

Programming Languages:

Advanced proficiency: Python, Java

Intermediate level: R, HTML, CSS, PHP, SQL, Excel VBA

Basic familiarity: C/C++, JavaScript, MatLab