

# Austin James DeCicco

MATHEMATICS | STATISTICS | ECONOMICS | FINANCE

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## CAREER OBJECTIVES:

Leverage mathematical and analytical tools to develop models for financial markets and solve complex, interesting problems.

## CONTACT INFO:

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Mailing Address:  
199 Main Street  
Flemington NJ 08822

## PROGRAMMING LANGUAGES:

-Proficient in:  
Java, SAS, Stata, LaTeX, Maple  
-Experience in:  
Python, MATLAB, Minitab, html

## SKILLS:

Strong Quantitative,  
Analytical, and Logical  
Reasoning

10 Years Personal Trading  
Experience  
(Stocks, Options, Crypto)

Experience in managing,  
generating, and analyzing  
datasets

Highly adaptable, quick  
learner, especially with  
mathematical concepts and  
analytical tools

Top 1% Blitz & Bullet Chess  
player, demonstrating fast,  
accurate decision making  
under pressure

## WORK EXPERIENCE:

**Investor** |  
Self-Employed May 2023-Now

Securities, Real Estate, Venture  
Capital, Private Credit

**Firefighter** | **Flemington Fire**  
Volunteer May 2024-Now

## EDUCATION:

### Rutgers University, New Brunswick NJ

Non-degree Graduate Mathematics (2025-2026)

**Introduction to Mathematical Physics** | The universe according to Newton and Einstein done mathematically rigorously via the theories of ODEs, PDEs, probability and statistics, functional analysis, group theory, etc.

**Experimental Mathematics** | Programming in Maple, applying computer-algebraic methods to solve problems in Algorithmic Enumerative and Algebraic Combinatorics. Taught by Prof. Doron Zeilberger.

### Rutgers University, New Brunswick NJ

B.A. in Mathematics (Class of 2023) -GPA: 3.96

Graduated Summa Cum Laude

**Introduction to Stochastic Processes** | Earned an A. Topics included Markov chains, Poisson processes, queuing theory, renewal processes.

**Mathematical Theory of Statistics** | Earned an A. Topics included the fundamental principles of mathematical statistics, sampling distributions, estimation, testing hypotheses, correlation analysis, regression, analysis of variance, nonparametric methods.

**Mathematical Logic** | Earned a B+. Intuitive and formal development of sentential and predicate calculus. Special emphasis given to questions of consistency, completeness, and independence. Formal systems; incompleteness and undecidability; theorems of Gödel.

### University of Maryland, College Park MD

B.S. Economics (Class of 2022) -Major GPA: 3.73

Minor in Statistics -Minor GPA: 3.18

**Game Theory** | Earned an A. Studied the competitive and cooperative behavior that results when several parties with conflicting interests must work together and the applications in economics, business, and political science.

**Econometrics** | Earned an A+. Topics included the interaction between economic problems and the assumptions employed in statistical theory, single variable, and multiple variable regression techniques.

**Advanced topics in Econometrics** | Earned an A. Topics included instrumental variable regressions, time series models, panel data models, and qualitative response models. Focusing on techniques for estimation and for conducting tests of hypotheses of interest.

**Mathematical Methods for Physics** | Earned an A-. Topics included Linear Algebra, Curvilinear Coordinates, Vector Analysis, and Ordinary Differential Equations.

### College Park Student Investment Group Executive 2020-2021

Prepared reports, organized & led meetings pertaining to current market conditions, and educated interested peers in the inner workings of the stock market.