

# Matthew Napoli

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## EDUCATION:

### **University of California – Los Angeles (UCLA)**

**Los Angeles, CA**

*Bachelor of Science; Major: Mathematics and Economics B.S.; Minor: Computing*

*Sep 2021 – Dec 2023*

- Relevant Coursework: Stochastic Calculus (Graduate Level), Optimization Theory, Stochastic Processes, Real Analysis, Investment & Options Pricing Theory, Algorithms, Advanced Programming in C++, Advanced Programming in Python, Machine Learning, Mathematical Statistics, Econometrics, Linear Algebra, Partial Differential Equations

### **Saddleback College**

**Mission Viejo, CA**

*Associate in Science; Major: Mathematics*

*Jun 2019 – Jun 2021*

- Honors Society Mentor & Tutor
- Speech and Debate club member, 2<sup>nd</sup> place in Novice competition: Carlsbad Regional 2019

## WORK EXPERIENCE:

### **United States Securities and Exchanges Commission**

**Washington, D.C.**

*Risk Analyst Intern*

*Jul 2023 – Sep 2023*

- Developed databases and functions related to regulatory investigations of equities and integrated them into existing private SEC Python libraries
- Researched market inefficiencies in the digital asset space of cryptocurrencies, specifically presented the risks associated for traders of crypto due to wash trading and spoofing

### **Napoli Tutoring**

**Mission Viejo, CA**

*Tutor and Mentor*

*Apr 2018 – Jun 2021*

- Throughout high school and community college accumulated 17 students to which I tutored for the semester or helped mentor to achieve educational goals.
- Relevant College Classes Tutored: Algebra II, Calculus I/II/III, Intro to Linear Algebra, Intro to Differential Equations, Intro to Java, Intermediate C++, Micro/macro-economic Principles

## COMPETITIVE EXPERIENCE:

**Algorithmic Trading:** Prosperity by IMC Trading (Language: Python) – Place: 186<sup>th</sup> (Top 0.2%)

**Sports:** Overwatch – (Top 0.01%) | League of Legends – (Top 0.1%) | Fortnite – Winnings: \$9,700 (Top 0.01%)

- Demonstrated exceptional strategic thinking and decision-making abilities in high-pressure, competitive environments. Acted as an “in-game leader”, or IGL, for both of my semi-pro teams in both Overwatch and Fortnite

## PROJECTS:

- *Senior Research Project:* Predicting option volatility curves with ML RNNs see personal site: “Research Paper”
- Created a prototype paper trading web application in Python, see personal site: “Trading Simu”

## LEADERSHIP:

### **UCLA Esports**

**Los Angeles, CA**

*Finance Director*

*Sep 2020 – Aug 2023*

- Managed general ledger for UCLA Esports and approval of all team and club expenditures
- Coordinated with UCLA finance office to host UCLA-branded fundraisers for the organization

### **Lion’s Heart Service**

**Mission Viejo, CA**

*VP & Treasurer*

*Feb 2013 – Apr 2019*

- Over 400 hours logged of community service through Dorothy Day Homeless Shelter and Big Brothers of America

## ADDITIONAL INFORMATION:

**Languages:** Conversational in Spanish, Basic Skills in Korean

**Certifications:** Wall Street Prep Financial Modeling Program, Bloomberg Market Concepts, & CA Licensed Insurance Agent

**Interests:** Esports, bullet/blitz chess, poker, blackjack, tennis, bodybuilding, soccer, retail options trading, skydiving

**Technical Skills:** C++, Python – Advanced | SQL, PowerPoint, Excel – Intermediate | AWS – Beginner