Matthew Napoli

(949) 309-7000

matthew.napoli@g.ucla.edu

matthewnapoli.org

linkedin.com/in/matthew--napoli

github.com/matthewnapoli

EDUCATION:

University of California – Los Angeles (UCLA) | Undergraduate GPA: 3.5 — **Los Angeles, CA**

Bachelor of Science; Majors: Applied Mathematics & Economics; Minor: Computing — *June 2021 – Dec 2023*

- *Relevant Coursework:* Advanced Stochastic Mathematics, Machine Learning, Stochastic Processes, Real Analysis, Algorithms & Data Structures, Advanced Programming in C++, Advanced Programming in Python, Portfolio Theory, Mathematical Statistics, Econometrics, Optimization, Multivariable Calculus, Linear Algebra, Differential Equations
- Classes Tutored: Calculus I/II/III, Intro to Linear Algebra, Intro to Differential Equations, Intro to Java, Intermediate C++, Micro/macro-economic Principles
- Speech and Debate club member, 1st place in Novice competition: Carlsbad Regional

WORK EXPERIENCE:

United States Securities and Exchanges Commission — **Los Angeles, CA**

Risk Analyst Intern — *Jul 2023 –Sep 2023*

- Developed databases and functions related to regulatory investigations of insider stock purchases into existing private SEC Python EDGAR library
- 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

PROJECTS:

Exploring Autoregressive Strategies to Trade Equity Volatility through Options

- Explored AR family of statistical models to profit from predictability of Implied Volatility

Using Machine Learning to Predict Trading Signals

- Using TensorFlow GRU/LSTM architecture along with extensive price and account data yielded highest accuracy of 59%

TraderHub – Paper trading web application

- Backend: Python/Flask, Frontend: HTML, Data Management: Pandas, SQL, Data Visualization: Matplotlib

COMPETITIVE EXPERIENCE:

Algorithmic Trading: Prosperity by IMC Trading (Language: C#/Python) – Place: 186th (Top 1%)

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

- 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

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

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

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