

Trung Nguyen

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EDUCATION

College of William & Mary **Williamsburg, VA**
B.S. in Data Science and Applied Mathematics (Statistics) | GPA: 3.6 / 4.0 (Dean's List) *December 2024*

- **Relevant Coursework:** Linear Algebra, Multi Var. Calculus, Probability, Data Structures, Algorithms, Applied Machine Learning, Databases, Data Visualization, Micro and Macro Economics, Financial Math

EXPERIENCE

Art of Problem Solving **San Diego, CA**
Data Science and Math Intern *June 2024 - August 2024*

- Developed **Machine Learning** models that analyzed data sets to find areas of improvement in the AoPS Beast Academy Online curriculum - used **Python** libraries and **SQL**
- Worked to develop the WOOT curriculum for the online school that prepares students for Olympiad-level math competitions including the IMO - focused on probability, **graph theory**, and graph algorithms

William and Mary Tutor Zone **Williamsburg, VA**
Lead Tutor *January 2023 - Present*

- CRLA certified math, computer science, and data science tutor, tutoring an average of 14-16 hours per week
- Direct supervisor for a team of 25 tutors and conducts interviews for new hires

Stringing Winners (Tennis Racket Stringing Company) **Lansdowne, VA**
Founder & CEO *September 2022 - Present*

- Founded a company that connects tennis players to freelance stringers who can string their broken rackets
- Stringing Winners has strung 100+ tennis racket and is a featured business at the W&M Entrepreneurship Hub

College of William & Mary **Williamsburg, VA**
Resident Assistant (RA) *August 2022 - May 2024*

- Managed residence halls of 25-40 students and helped guide students through personal and academic issues

Art of Problem Solving **San Diego, CA (Remote)**
Teaching Assistant and Grader *June 2021 - May 2024*

- Selected as a TA and HW Grader for advanced online HS math, **Python**, and physics courses
- Answered 20,000+ questions on AoPS class forums and graded 325+ math proofs and **Python** programs

ooPoll (Social Media Startup) **Reston, VA (Hybrid)**
Business Development Intern *December 2022 - May 2023*

- Worked on business development efforts like growth hacking, investment partnerships, and **SEO** and **SEM**

PROJECTS

Stock Price Probability Calculator *July 2024*

- Coded a program that calculates a stock's probability of hitting a certain price with Python's **yfinance** library

PrizePicks Analysis *July 2024*

- Conducted a mathematical analysis on how to beat PrizePicks by computing EV and finding win probabilities
- Checked results by running Monte Carlo simulations with **NumPy** and plotting findings with **Matplotlib**

Fishing the Crim Dell *June 2024*

- Independent data analysis using **Tableau** on the fish I caught - published results on a static **HTML**, **CSS** page

Web Development *March 2022 - May 2024*

- Built websites for 5 organizations using **WordPress**, **HTML**, **CSS**, **Java Script**

Olympiad Math Education *August 2021 - May 2024*

- Independently wrote and published 4 papers using **LaTeX** and **Overleaf** on Olympiad-level math techniques
- Maintained a blog dedicated to solving Olympiad-level geometry problems with Barycentric Coordinates

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: Python, pandas, Java, CSS, HTML, Java Script, Tableau, SQL, Latex, Power Automate, Excel
Activities: Chess Club (Treasurer and VP), Club Tennis, Club Golf, BBA Investment Club, Entrepreneurship Hub
Interests: Chess (ranked top 10 in VA, FIDE Master, Private Coach), Piano (14 years of performing experience, Private piano and AP Music Theory teacher), Fishing (catches invasive fish and competes in the MFL)