

Colby Ryan

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EDUCATION

Union College, Schenectady, NY

September 2020 – Present

Presidential Scholar. Intended double major: Mathematics and Computer Science. Elected Class Vice President. Club soccer. Theta Delta Chi Social Chair. Selected classes include: Text Analytics, Honors Multivariable Calculus. Tutor middle school students in algebra and geometry.

TEFL Iberia, Barcelona, Spain

August 2019-September 2019

Developed teaching abilities through an intensive course. Received CertTESOL certification.

October 2019- March 2020

Two-hour daily intermediate Spanish course.

Advanced Math and Science Academy, Marlborough, MA

September 2012-June 2019

Graduated from a top-ranked school. AP Scholar. Class-elected Student Government representative. Honor roll. Varsity Soccer. Junior Varsity Soccer Captain. Mentored middle school boys in Computer Programming. Taekwondo second-degree black belt, competition team captain, silver medalist in National High School Tournament.

EXPERIENCE

PanAgora Asset Management, Boston, MA, *Data Science Intern*

June 2023-August 2023

Wrote Python scripts to web scrape data and run insertion queries into SQL tables. Used Flask, CSS, Javascript, pandas, and HTML to transition an internal daily diagnostics email into a webpage.

TandemAI, New York City, NY, *Software Engineer Intern*

June 2022-September 2022

Wrote python scripts to automate fio storage testing on an HPC Cluster. Created flexible scripts to test storage bandwidth and latency using both random and sequential read and write tests, and wrote python script to read and graph the output results.

Sapphire Software Services, Eagan, MN, *(Remote) Full-Stack Software Engineer Intern*

June 2021-September 2021

(Remote) Wrote back-end functions (e.g., calculating target ROI's, target retirement ages, and progress towards financial goals) for a new goal-tracking feature added to Panoramix, a software tool used by financial advisors. Redesigned Panoramix help-guides webpage to improve user experience in Microsoft Visual Studio. Implemented a search function for the webpage in C#.

PROGRAMMING LANGUAGES

Python, Java, C#, HTML, CSS, Javascript, SQL