

Anthony Zhou (anthony-zhou.com)

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EDUCATION

University of Maryland

Bachelor of Science - Computer Science, Data Science Track

College Park, MD

Graduation Year: May 2027

Minor: Information Risk Management, Ethics, and Privacy

Programming Languages & Frameworks: Java, Python, C, JavaScript, HTML, CSS, React, Next.js

Relevant Coursework & Methodologies: *Computer Systems, Discrete Structures, Applied Probability & Statistics, Object-Oriented Programming & Algorithms, Data Management, UMPIRE, Agile Development, Scrum*

WORK EXPERIENCE

Undergraduate Teaching Assistant - College Park, MD - Financial Literacy and Stocks (BSOS201)

August 2024 – Present

- Supported students in grasping stock market trends, Technical Analysis, & Portfolio Management as a Grading & Teaching Assistant utilizing Excel
- Engineered the integration of financial modeling software & data visualization tools (TC2000 & IBD) for fall 2024 students, resulting in a +15% surge in personal portfolio performance compared to the previous year

PROGRAMMING PROJECTS

Instagram Analyzer (FollowerVsFollowing) - Columbia, MD - Personal Full Stack Python & Javascript Project

February 2024 – February 2025

- Developed a data visualization project using both Python & Javascript to identify patterns within an HTML file, achieving a data accuracy rate of 90% for users
- Maintained my project by leveraging GitHub repositories as the foundation for management, Vercel for deployment & backend operations, & Cloudflare for hosting purposes
- Produced a User Guide video that reached over 200 viewers, illustrating program usage
- Utilized content aggregation techniques to convert data gathered from Instagram into actionable insights on the social media followers, analyzing accounts of any size & extracting influencer metrics

OnlineTest - College Park, MD - Object-Oriented Methodology, Algorithms, and Data Structures Project

August 2024

- Implemented Model-View-Controller (MVC) architecture for crafting maintainable code spanning multiple Java files, enhancing code scalability & maintainability
- Applied unit testing & debugging techniques to ensure compliance with stringent coding standards & styling requirements
- Leveraged taught techniques such as inheritance, polymorphism, & recursion to develop an online test-tracking system using Java, enabling dynamic behavior & ensuring a flexible code architecture

Social Media Z - College Park, MD - Frontend Web Development Project

December 2023

- Making a social media simulation app by manipulating vanilla HTML, CSS, and JavaScript.
- Using (UX) design principles to cater to user experience from survey information from fellow students.

LEADERSHIP & COMMUNITY INVOLVEMENT

Orientation Advisor - College Park, MD - College of Computer, Mathematical, and Natural Sciences

May 2024 – January 2025

- Facilitating the initial steps for incoming students at the university, offering guidance to over 200 individuals per session using resource guides
- Cultivating an inclusive & inviting environment to ensure a seamless transition for new students