

RYAN DABBS

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Education

University of Maryland, College Park

Aug. 2021 – May 2025

B.S. in Computer Science and B.S. in Finance (Double Degree)

GPA: 3.64

Honors College - University Honors Living Learning Program

Relevant Coursework

- Algorithms
- Adv. Data Structures
- Intro Machine Learning
- Applied Prob and Stats
- Intro Computer Systems
- Intro Databases
- OOP
- Linear Algebra

Technical Skills

Prog. Languages: Advanced: Java, Python | Intermediate: JavaScript, HTML, CSS, C | Basic: SQL

Developer Tools: Linux, Windows, Git, Jira, VS Code, Jupyter Notebook, Github, Docker

Technologies: Microsoft Office, Cypress, AWS, PostgreSQL, scrum, Node.js, MongoDB, Bloomberg Terminal

Experience

Robert H. Smith School of Business

January 2024 – Present

Research Assistant, AWS and Cloud Computing

College Park, MD

- Worked under Information Systems professor, compiling learning resources for the development of a new AWS course
- Developed practice projects for students to gain experience with AWS services, including hosting websites on Amazon S3
- Preparing and working toward obtaining my AWS Cloud Practitioner Certification

Deloitte

June 2024 – July 2024

Risk and Financial Advisory - Technology Intern

McLean, VA

- Tested SOX relevant applications to ensure accuracy and effectiveness of the client's financial statement reporting and internal controls, which included conducting risk evaluations and user sampling for access management verification
- Spearheaded the development of a python automation script that leveraged pandas to streamline the guided risk assessment process, which originally involved manually sifting through over 50 excel sheets
- Filtered and cleaned client datasets by using macros in VBA, helping expedite data processing tasks in Excel

Center for Advanced Transportation Technology Laboratory

January 2023 – August 2023

Software Quality Assurance Engineer Intern

College Park, MD

- Conducted regression tests on traffic data visualization tools to find errors and track resolution, helping ensure proper functionality of the company's data products and improving the overall user experience
- Independently learned Git, Cypress, and JavaScript to develop and review automated scripts testing the company's web applications, which expanded coverage of use cases and reduced end-to-end test execution time by 150 seconds
- Designed and documented test cases for various web applications using Cucumber and Jira, enhancing web server reliability, requirement traceability, and ensuring alignment with stakeholder needs/expectations

Projects

Stock Market Analyzer

July 2024 – Present

- Built a full-stack web application using Python, Flask, HTML, CSS, and yfinance to retrieve real-time stock data and Matplotlib to visualize historical stock prices
- Hosted and deployed the application using AWS Lightsail and Docker, featuring a user-friendly interface that will display stock data based off of user-inputted ticker symbols
- Developing a stock recommendation feature that observes 50 vs 200-day moving average, ROIC, WACC, and P/E ratio

European Soccer Match Predictor

May 2024 – August 2024

- Leveraged BeautifulSoup and Requests libraries to scrape historical European soccer league match data from fbref.com, cleaned and processed the data using pandas, and analyzed important features
- Used scikit-learn to implement a Random Forest Classifier on preprocessed data to predict outcomes for future matches

Leadership / Extracurricular

UMD Men's Club Soccer Team

September 2024 – Present

- Committed 6+ hours weekly to practices and games against regional colleges, balancing athletic/academic responsibilities

Alpha Kappa Psi (Business Professional Fraternity)

September 2022 – Present

- Spearheaded fundraising campaign to raise more than \$1000 over the course of 3 weeks
- Collaborated with team members to conduct market research and financial analysis for consulting case competitions

Consult Your Community (non-profit) - Vice President of Finance

August 2021 – January 2024

- Managed budget requests and organized fundraising events for 100+ members to secure over \$2000 for the club
- Created a file organization system for vendor invoices, club transactions, and client Statements of Work