Daniel G. Morris

• (248) 954-9062 • danmor@umich.edu • LinkedIn • Github • Credly

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EDUCATION

University of Michigan, College of Engineering – Ann Arbor, MI *Bachelor of Science Engineering - Computer Science* 2021-2025
University of Michigan - Dearborn. • **Dean's List | 2021-2022**

TECHNICAL SKILLS

Python(intermediate), BeautifulSoup, NumPy/Pandas/Regex,/Selenium, C#, C++/C(intermediate), Microsoft Office Applications(intermediate),Java(beginner), CISCO Cybersecurity Certification, Linux terminal commands, Git version control, VS Code, R Studio, Unit Testing, Debugging, Terraform, Robocode, Jules Pattern, AWS-cli, Intellij, Eclipse, KickStart-cli, Bitbucket, HTML/CSS

RELEVANT COURSEWORK

Data Structures and Algorithms, Discrete Math, Cybersecurity Principles, Calculus Based Physics, JPMorgan Chase
& Co Forage – Software Engineering, Software Engineering Lite

EMPLOYMENT EXPERIENCE

JPMorgan Chase & Co| Fellow | Polaris Hub/Plano Hub **June 2023 – August 2023**

- Created a web application catering to banking credentials management. Utilized React for the frontend and Spring Boot for the RESTful API backend. Employed PostgreSQL as the database system, leveraging JpaRepository for efficient data handling. Ensured the reliability and functionality of the backend system by testing it using Postman. Verified API endpoints, data integrity, and error handling mechanisms, contributing to the overall stability and quality of the banking credentials application.
- Developed a competitive AI system in Java using the external AI framework Robocode. Employed advanced algorithms for combat strategies, integrating pattern recognition and minimum risk movement techniques.
- Collaborated with a team to design a comprehensive fellowship program aimed at supporting a minority depository institution.

DTE Energy | IT Intern | Virtual **May 2022 – August 2022**

- Collaborated with team of 5 on TSA compliance project. Compiled documents to maintain compliance with directives. Documented asset allocation for different project groups.
- Communicated with business units to properly comply with TSA directives. Modified huddle document to record project progress.
- Assisted in onboarding document creation for new business unit.

Accenture | Extern | Virtual **May 2022**

- Engaged in a week-long program consisting of various networking events, technology presentations, and a case competition.
- Developed solutions to business problems of the future workforce based on Fjord trends; solutions were created with new and emerging technologies. Discussed enterprise technologies and how they can be used in the workforce.
- Learned about current business employee retention strategies surrounding the Metaverse, Web3, and various other emerging technologies/platforms.

PROJECTS

Trading Algorithm | Personal Project | Farmington Hills, MI **January 2022 - Current**
- Web scraping program, in Python 3.0, that pulls data from Yahoo Finance to predict trends in the stock market
- Scraped real time financial data using BeautifulSoup and the python requests module.
- Implemented technical analysis techniques.

Piazza Post Machine Learning Algorithm | Class Project | Ann Arbor, MI **December 2022**
- Developed a Map data structure with a Binary Search Tree as the underlying structure in C++.
- Wrote an intelligent program that can classify Piazza posts according to topic/label. Implemented NLP techniques to classify 2988 Piazza posts with 87.08% accuracy using log probability.

Airplane Seat Manager | Class Project | Dearborn, MI **December 2021**
- Created a seat reservation program for a passenger airplane class in C++.
- Works with any size airplane and pulls data from text file to create parameters.

EXTRACURRICULARS

- National Society of Black Engineers | 2022
- LGBTQ+ Michigan | 2022
- Farmington African-American Parent Network | Tutor | 2022
- Student Government | Fellow | 2021 – 2022
- Developers of Dearborn | Design Lead | 2021 – 2022
- Student Activities Board | 2021 – 2022

- Business Professionals of America | 2019- 2021
- Wolverine Pathways | 2018-2021
- Midnight Golf | 2020-2021