Adam Mentzer

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EDUCATION

University of Michigan, Class of 2023 | B.S. in Computer Science | GPA: 3.62

Skills: C++, Python, HTML, CSS, JavaScript, Git, React, REST APIs, SQL, Hadoop, Agile, Rally, Flask, Swift

Coursework: Data Structures & Algorithms, Web Systems, Web Design & Accessibility, Software Engineering Practices, Intro to Computer Organization, Entrepreneurship in the Digital Age

WORK EXPERIENCE

Ford Motor Company *May 2022 — July 2022*
Software Engineer Intern **Dearborn, MI**

- Implemented account-based security measures that prevent unauthorized users from accessing internal sourcing and procurement applications while also preventing authorized users from submitting incomplete records to the database
- Introduced new search filters while redesigning the interface of a supply chain tracking application in an effort to simplify the sourcing workflow
- Saved time for hundreds of users by adding a feature that allows users to export filtered data from a supplier sourcing application to Excel, giving a complete view of the individual data items as opposed to the limited gallery view found within the application
- Won Top Achiever award for the Intern City of Tomorrow Challenge after submitting a proposal to use web-based technologies to help Ford deliver an immersive and remote vehicle-purchasing experience to support its initiative to establish a direct-to-consumer sales model

Level One Bank *May 2021 — August 2021*
Data Governance Intern **Farmington Hills, MI**

- Developed an automated tool that achieved a 10x reduction in the amount of time needed to process collateral management reports by generating the report and determining if it required manual review
- Utilized automation techniques to pinpoint and update thousands of duplicate accounts resulting in a 9.1% reduction in the size of the loan account database, solving an issue which prevented bank patrons from making loan payments and receiving important notifications
- Introduced a new standardized categorization system for 1,500+ loan notification records after creating a script that sifted through pre-existing records to detect naming similarities and differences

PROJECTS

Language Content Classifier: Piazza

- Designed a program in C++ that employs natural language processing techniques to predict the topics of online forum posts (Piazza), correctly labeling 87% of 2,988 posts from previous semesters of the class

Instagram Clone

- Constructed an Instagram clone as part of a group project that utilized Python/Flask, React, and SQLite to build a custom API, implement SHA-512 password hashing, and recreate core functions of the platform

Automatic Event Seating Tool

- Developed a tool using HTML/CSS and JavaScript that creates seating arrangements for large events based on different group sizes and user preferences, allowing the user to select constraints like the number of chairs and/or tables or choosing to seat large groups at their own table

Search Engine

- Created a mock search engine that utilized Hadoop and Python to construct an inverted index of web pages that had been stored in a SQLite database, and then rendered the top results using Flask after evaluating their term frequency-inverse document frequency (tf-idf) scores

LEADERSHIP

MProduct *January 2020 — Present*
VP of Professional Development **Ann Arbor, MI**

- Planned and moderated "MProduct Connect," a now-annual event where students interested in product management careers get the chance to talk to industry professionals
- Established product consulting infrastructure where teams of business, engineering, and design students have helped clients to streamline their product development processes and make feature suggestions
- Curated opportunities for professional growth, directed social events, and integrated new member cohorts in an initiative to return member engagement to pre-pandemic levels (100+ members)

ADDITIONAL

Extracurriculars: Sigma Eta Pi Entrepreneurship, Michigan EcoData, Alliance Consulting (Marketing Chair)
Interests: Formula 1, Genealogy, Fitness, Vinyl Record Collecting, NFL, Linguistics