

Andrew Sassine

Grand Blanc, MI 48439 • asassine44@gmail.com • (586) 383-5131 • <https://www.linkedin.com/in/andrewsassine> • <https://github.com/Asassine20>

Education

Harvard University

Detroit, MI

Bachelor of Science, Computer Science. GPA: 3.41/4.00 (Dean's List: 4 semesters)

December 2024

Relevant Coursework: Artificial Intelligence, Operating Systems, Java Programming, Mobile Application Development, Algorithm Design and Analysis, Java Programming

Experience

Sentry

Stevens Point, WI

Software Engineer Intern

May 2024 – August 2024

- Engineered the Quartermaster dashboard using ASP.NET, Vue.js, and SQL, empowering an 800+ member IT department to customize, manage assets, and collaborate on dashboards through advanced CRUD functionalities
- Designed and implemented 16 API endpoints with ASP.NET and C#, integrating complex backend services to ensure robust and scalable dashboard operations
- Conducted comprehensive surveys with over 50 IT employees across 10 teams, synthesizing their feedback to inform and refine dashboard features
- Implemented a unique configuration for each IT team, allowing members to find important assets 5 minutes faster.
- Collaborated within a diverse tech stack including C#, ASP.NET, Vue.js, Bitbucket, Jenkins, Artifactory, Docker, AWS, and Terraform, gaining full-stack development experience
- Led a team of 6 interns to 1st place in a case competition on the topic of "Leveraging AI in Human Resources"

General Motors, Wayne State University

Detroit, MI

Team Lead – Data Analyst

August 2024 - Present

- Led a team of 5 to design and implement a unified database consolidating lobbying data using PostgreSQL
- Developed a data pipeline for real-time updates leveraging ETL processes and Python to handle over 100,000 rows of data cross 5 different sources
- Designed a full-stack web application with Node.js and React powered with Power BI to provide data visualization and insight in a user-friendly format
- Analyzed legislative data and lobbying reports to uncover trends supporting the automotive EV strategy
-

Projects

Sports Card Marketplace Platform

Full Stack Personal Project (Node.js, Next.js, MySQL, Redis, Amazon Web Services)

- Implemented a robust web scraper using Node.js to efficiently extract and process data from a sports card database, accumulating over 8,000,000 unique rows of detailed card data
- Designed a scalable MySQL database, enabling efficient storage, retrieval and management
- Developed a user-friendly web interface using Next.js with React to provide ease of use features
- Incorporated dynamic search and filtering functionalities with Redis caching, allowing buyers to easily discover specific cards based on various criteria in less than 1 second
- Deployed the database and hosted the server via Amazon Web Services RDS and EC2

Skills

Programming Languages: Python, C++, Java, JavaScript, C#, SQL, Go, PHP

Frameworks: Node.js, Next.js, React, Vue.js, Django, ASP.NET, Flask, Angular, Express, Spring Boot

DevOps: Amazon Web Services, GCP, Git, GitHub, Agile Methodologies, CI/CD, OOP

Certificates: Meta Back-End Developer Professional Certificate, Microsoft Generative AI Certificate