

# Xavier Evans

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## OBJECTIVE

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Software Engineer student with professional IT experience seeking to design applications that improve business insight and consumer experience.

Special Interests: Software Development, Artificial Intelligence, System Design, Data Analysis.

## EDUCATION

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### University of Michigan - Dearborn

Dearborn, MI

*Bachelor of Science in Software Engineering*

*Graduation Date – May 2024*

- Relevant Courses: Design Patterns, Information Systems, Software Architecture, Algorithms and Data Structures, Operating Systems, AI

## TECHNICAL SKILLS

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**Languages:** Python, C, C++, HTML5, CSS, JavaScript, SQL

**Developer Tools:** Visual Studio Code, Unreal Engine 5, Git/GitHub, AWS

**Project Skills:** Requirement Analysis, System Design, Algorithm Design, Test Case Design

## WORK EXPERIENCE

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### IT Support Staff

September 2021 – Present

*Grosse Pointe Public Library*

*Grosse Pointe, MI*

- Developed web-accessed databases used by over 10,000 patrons for educational and research purposes.
- Scripted Python data-scraping applications, eliminating 3 days of manual statistics entries per month.
- Created and managed user profiles in Active Directory and Microsoft Azure.
- Assessed and troubleshoot technical problems brought up by faculty.

## ACADEMIC PROJECTS

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### Virtual Reality Wheelchair Rugby | *Unreal Engine 5, Game Development*

Fall 23/Winter Semester 24

- Contributed to the full software development life-cycle of a project for a client.
- Developed a VR game that users with accessibility needs could play on Steam and Oculus.
- Incorporated quality control techniques: client meetings, code reviews, and documentation.
- Utilized Agile development style with team for rapid feedback and development.

### Smart-Split Web Application | *Django, Python, SQL, Web-app development, Fullstack*

Summer Semester 2023

- Designed and presented the project scope and major software functions.
- Calculated and analyzed costs of producing the system to reveal possible risks.
- Assumed role as the lead programmer; designed the app's relational database.
- Researched unfamiliar tools such as Django, HTTP, and database modeling.

### Stock Trading Program | *Python, C/C++, SQL, Socket Programming, Linux Server*

Winter Semester 2023

- Designed and implemented an online stock trading application using network TCP sockets.
- Wrote both client and server portions of the application and the communication protocols.
- Implemented multi-threading concepts to support concurrent client transactions.

### Sales Data Analysis | *Python, BigML, Tableau, Minitab, OpenMarkov, Excel*

Fall Semester 2022

- Introduced filtering strategies that increased the team's data cleansing efficiency.
- Modeled data filtered from a data set of over 15,000 records using industry-leading tools.
- Organized 8 of the teams' hypotheses and findings to create a meaningful story behind the data.
- Volunteered as team lead and single point of contact.

## WORK PROJECTS

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### Local History Archive Database | *HTML, CSS, JavaScript, PHP, web development*

June 2022

- Revamped the Grosse Pointe Public Library's archival website into a WordPress landing page.
- Designed and deployed easily accessible databases for 7 news and magazine outlets on external pages.
- Recognized by the director, library board, and archival communities of Grosse Pointe.
- <https://digitize.gp.lib.mi.us/wordpress/index.php>