

# Taylor Williams

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## Career Objective

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I'm a motivated recent graduate most proficient in C++, Python and SQL, with a strong foundation in computer security principles and extensive hands-on experience in software development. Seeking a challenging role to apply my expertise in computer networks, database management, and artificial intelligence, with a focus on contributing innovative solutions to real-world challenges.

## Education

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### University of Michigan - Dearborn | BS Computer & Information Science

April 2024

Major/Concentration: Computer & Information Science

**Relevant Courses:** Computer Networks and Distributed Processing, Database Management, Operating Systems, Intro to Artificial Intelligence, Web Technology, Practical Computer Security

## Certificate

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### Practical Aspects of Computer Security (PACS)

January 2024

- This certificate provides a foundational knowledge in computer security principles, firewalls, malware, intrusion detection, physical security, wireless network security, mobile device security, social network security, and web application security.

## Skills

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**Languages:** C, C#, C++, Python, SQL, HTML, CSS, JavaScript, PHP, Kotlin, Java

**Development/Software Tools:** Microsoft Office (Outlook, Teams, SharePoint, Excel, PowerPoint, Word), Git, GitHub, Docker Desktop, Oracle, Oracle VM VirtualBox, SQL Developer, Microsoft Visual Studio, Visual Studio Code, Jenkins, Eclipse IDE, Bitvise SSH Client, WinSCP, Microsoft Azure, Microsoft SQL Server Management Studio, ASP.NET Core, PowerApps, PowerBI, Azure DevOps

**Operating Systems:** Linux/Ubuntu, xv6, Windows

## Projects

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### Online Stock Trading System | *Python, SQL, Bitvise SSH Client, Visual Studio Code*

- Trading application that permits multiple clients to connect to a server simultaneously, utilizing python threads and TCP sockets.
- Authorizes clients to login/logout, list their records, view active users on server, lookup stock names, buy/sell stock, view their current balance, deposit USD into their account/record.

### Database Management System | *SQL, Oracle, SQL Developer*

- Created a relational database for a restaurant enterprise.
- Designed useful queries and updates for the enterprise's database application.
- Utilized querying language SQL and Oracle application on a real DBMS.

### AI Learning Tool, "Llama Lingo" – Senior Design Project | *C#, HTML/CSS, Blazor, Microsoft Azure, Microsoft SQL Server..., ASP.NET Core*

- Developing an educational software web application, using data information analyzed from AI applications like ChatGPT and Llama 2, stored within a Microsoft Azure Cloud storage account.
- Focus on data science elements, data analytics, and data management.
- Application will act as an expert on a topic that a user (students, employees, hobbyists, etc.) can ask questions too.
- In this project I am assigned as project manager, I delegate group activities, set meetings, and speak with the client firsthand.

## Work Experience

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### Consumers Energy | Customer Operations, Strategy Support Intern

May 2024 - October 2024

- Created a user-friendly power app for customer service representatives to review their required metrics easily and saved team leaders significant time from having to gather metrics manually. Managed and produced all the needed SQL queries, handling large database tables within multiple database servers for analysis.
- Participated in the company intern competition. Proposed and presented a business proposal for the company's AI application, CEVA.
- Assisted with administrative tasks, including scheduling meetings, coordinating tasks, and creating strategy plans.

### HomeGoods, TJX Companies | Store Associate, Awareness Mentor

2018 - May 2024

- Awarded Employee of the Month for the second quarter of 2020.
- Assisted customers with product selection, pricing, availability, and payments. Stocked shelves with merchandise and maintained inventory levels.