Taylor Williams

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Career Objective

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

Work Experience

Consumers Energy | Customer Operations, Strategy Support Intern   May 2024 - October 2024

- Designed and developed a user-friendly power app for customer service representatives to review their required metrics. Saved team leaders over 5 working hours weekly from having to gather employee metrics manually. Managed and produced the needed SQL queries, and analyzed database tables within multiple servers containing over a million records.
- Participated in the Consumers Energy internship 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 for app development.

HomeGoods, TJX Companies | Store Associate, Awareness Mentor   October 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.

Skills

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

Education

University of Michigan - Dearborn | BS Computer & Information Science

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

University of Michigan - Dearborn | Practical Aspects of Computer Security (PACS)

- 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.

Projects

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*
- Developed an educational software web application, using data information analyzed and parsed from the AI application, ChatGPT, stored within a Microsoft Azure Cloud storage account.
- Focus on data science elements, data analytics, and data management.
- The application acts as an expert on a topic that a user (students, employees, hobbyists, etc.) can ask questions and learn from.
- Assigned as project manager. Delegated and managed group activities, set meetings, and spoke with the client firsthand.