

David Schiereck

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Education

Florida State University (FSU) - Tallahassee, FL

Expected Graduation: December 2028

Masters of Science in Information Technology

GPA: 3.36/4.0

- **Relevant Coursework:** Information Behavior, Management of Information Organizations

University of South Florida (USF) - Tampa, FL

December 2023

Bachelor of Science in Information Technology

GPA: 3.36/4.0

Experience

IT Consultant | Gold Kidney Health Plan

Feb 2023 - Present

- Replaced a legacy system for provider search. I developed a new provider search capability that would be more efficient and functional. Utilized PHP, JavaScript, and CSS to create and implement the new search function, which led to improved user satisfaction and more efficient search capabilities within our platform.
- Oversaw critical operational tasks, including regular backups and maintenance of the company website and key systems ensuring data integrity and system reliability.
- Assisted a wide range of internal support tickets maintaining seamless operational functionality across various systems.

Full Stack Developer | Human Resource Management Center

Mar 2018 – Feb 2023

- Maintained an ASP.NET web application codebase, ensuring optimal performance, scalability, and security.
- Our clients required an analytical web page to allow HR to understand larger metrics. I spearheaded development of the analytical webpage and calculated metrics. This project involved taking in client requirements and creating metrics and graphs for their specifications, integrating advanced data analytics into a user-friendly interface. This project led to significantly improving the quality of life and efficiency for HR personnel.
- Built and implemented dynamic and interactive analytical data displays utilizing Graph.js, enabling intuitive visualization of datasets, and improving user engagement and understanding.
- Programmed MSSQL procedures for data calculation, increasing data processing efficiency and accuracy, and supporting data analysis needs.

Projects

Statistik, Streaming Data Analytics - React.JS, Postgres, Docker

github.com/Dav-Sc/statistik-backend

- Led and engineered a backend for an analytical web application, developing database queries to retrieve and structure data efficiently. Ensuring seamless data integration and processing, setting a solid foundation for frontend display and user interaction.
- Streamlined the front end of the analytical application, focusing on seamless integration and dynamic display of backend-queried data. Implemented responsive user interfaces, facilitating effective data visualization and analysis.

Gilgamesh, Audio Book Application - Tauri/React, Rust, JavaScript, Tailwind CSS

github.com/Dav-Sc/gilgamesh-tauri

- Developed a versatile audio book listening application using Tauri, ensuring cross-platform compatibility and optimal performance across various operating systems.
- Focused on creating a user-friendly interface for the application, prioritizing ease of navigation and accessibility for a wide range of users.

RisQuus-V, Learning RISC-V - Assembly, C, Linker Script

github.com/Dav-Sc/RisQuus-V

- Explored various components of the RISC-V architecture, focusing on understanding its instruction set and modular design principles.
- Developed a project plan outlining the phases of the kernel design, from basic testing to more advanced functions.
- Engineered kernel and features to the goals specified

Volunteer Work

3rd Degree Knight | Knights of Columbus

Aug 2023 - Present

Assistant Crisis Director, Trainer | TBH Model United Nations

Jan 2019 - Present

Skills

Languages: Bash, C, C++, C#, Rust, Java, JavaScript/Typescript, Python, SQL, HTML/CSS

Frameworks/Libraries: Node.JS, React, Tauri, .NET, MAUI, Avalonia

Development Tools: Git, Docker, Linux, Azure, Android Studio, Postgres, Docker, VSC, VMs