Donald Warren Strong

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Professional Experience

Whatcom Center for Early Learning   Aug 2022 – Present
Tech & Data Specialist (System & Cloud Administrator)
- Transitioned over 70 clients from on-premises infrastructure to Azure AD ahead of Windows Server 2012's end-of-life, ensuring uninterrupted migration.
- Managed Azure AD: oversaw over 70 user accounts, group configurations, and security policies while maintaining HIPAA compliance for 275+ patient records.
- Developed a comprehensive, full-stack web application enabling public user-registration, check-in services for events, and advanced reporting for grant applications.
- Served as the primary IT contact for over 70 personnel, providing support across Linux, Windows, and MacOS using ConnectWise ScreenConnect.
- Configured and upheld network infrastructure across three WCEL campuses, including routers, switches, DNS records, and DHCP scope management.

Western Washington University   Sep 2021 - Dec 2022
Database Systems Graduate Teaching Assistant
- Reinforced understanding of database system concepts, including relational database design, SQL, and functional dependencies for undergraduate computer science student.
- Assisted students in documenting system requirements, quality code development, and efficient debugging and testing procedures, contributing to a combined 96.5% pass rate.

United States Navy   Jan 2015 - May 2018
Cryptologic Technician, Collection Second Class Petty Officer
- Leveraged a deep understanding of the Linux/UNIX environment and proficiency in shell scripting to streamline and enhance data processing for intelligence-community customers.
- Developed Python-based automation tools to facilitate complex data analysis tasks, improving efficiency of mission directives in support of Commander, U.S. Pacific Command and Commander, U.S. Cyber Command.

Technical Skills

Languages: C, Java, JavaScript, Python, SQL, Kotlin, HTML/CSS.
Frameworks & Libraries: Bootstrap, React, Express.js, Flask, Django.
Databases: MySQL, MongoDB, CosmosDB, PostgreSQL.
Tools & Platforms: Git, GitHub, AWS, Azure.

Projects

WCEL Classroom Registration | BootStrap, JavaScript, Python, Flask, MongoDB, Microsoft Azure
- Classroom portal for public user registration and check-in services for community events.
- Incorporated reporting tools allowing admin staff to obtain metrics related to attendance, demographics, etc., support grant writing efforts for funding.

Deadwood Board Game | Java
- Created a GUI-based rendition of the Deadwood board game using Java, underpinning knowledge of SDLC by crafting software requirements and UML class diagrams.
- Employed Model-View-Controller (MVC) design pattern and Test-driven Development (TDD) to ensure optimal code quality and alignment with project specifications.

Education

Western Washington University   Bellingham, WA
Master of Science in Computer Science   Sep 2021 - Jun 2023
Bachelor of Science in Computer Science   Sep 2019 - Jun 2021