

Donald Warren Strong

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Education

Western Washington University

Master of Science in Computer Science

Bachelor of Science in Computer Science

Bellingham, WA

Sep 2021 - Jun 2023

Sep 2019 - Jun 2021

Professional Experience

Whatcom Center for Early Learning

Aug 2022 – Present

Tech & Data Specialist (System & Cloud Administrator)

- Performed a seamless migration of 70+ clients from on-premises AD to Azure AD, transitioning from Windows Server 2012, and migrated all file storage to SharePoint for enhanced staff connectivity.
- Manage Azure AD Tenant configuration, enabling staff to join their agency-provided laptops and utilized AzureAD-Connect to transition user profiles from hybrid to cloud-only, all without any downtime or service interruptions.
- Effectively transitioned IT support from external contractors to an in-house team, streamlining IT service delivery and generating annual cost savings of approximately \$30,000 for FY23.
- Enhanced pre-existing network infrastructure with the installation of Ubiquiti equipment, including switches, access points, and range extenders for enhanced on-site connectivity, and bolstered data security with Azure AD Tenant security policy configurations.

Western Washington University

Sep 2021 - Dec 2022

Database Systems Graduate Teaching Assistant

- Actively facilitated student understanding of intricate database system concepts by holding dedicated office hours, conducting comprehensive code reviews, and offering hands-on debugging assistance.
- Played an instrumental role in helping students achieve a commendable 96.5% pass rate by focusing on practical code implementation in alignment with assignment specifications.

United States Navy

Jan 2015 - May 2018

Cryptologic Technician, Collection Second Class Petty Officer

- Operated as a Signals and Protocol Analyst, specializing in analyzing large datasets from digital telecommunications networks, with an in-depth understanding of TCP/IP and networking protocols/architecture.
- Appointed as the Non-Commissioned Officer In Charge (NCOIC), managing team of joint-service analysts directing mission tasking, and spearheading training initiatives for team personnel.
- Functioned in a capacity akin to a Solutions Engineer, designing Python-based automation tools to facilitate automated analysis and developed visualization tools for showcasing key KPI metrics for Signals Intelligence Directors.

Projects

WCEL Classroom Registration | *Bootstrap, JavaScript, Python, Flask, MongoDB, Microsoft Azure*

- Engineered a registration portal for community-event attendees, streamlining user experience and data management.
- Implemented RESTful API features enabling CRUD operations for record management showcasing expertise in full-stack development and cloud platform utilization.
- Incorporated robust reporting capabilities allowing admin staff to obtain metrics related to attendance, demographics, etc., to support grant writing efforts for fundraising.

Deadwood Board Game | *Java*

- Created a GUI-based rendition of the Deadwood board game using Java, leveraging knowledge of SDLC principles 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.

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.