

Donald Warren Strong

Phone: (559) 904-1037 **Email:** Donald.W.Strong5@gmail.com **GitHub:** Dwstrong5 **LinkedIn:** Dwstrong

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

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.
- Pioneered the development of a full-stack web application with capabilities to add/retrieve registration records, aiming to introduce secure RESTful API features for record modification.
- Transitioned IT support from external contractors to an internal system, enhancing response times for staff IT concerns and achieving an annual savings of approximately \$40,000 USD.
- Enhanced pre-existing network infrastructure with the installation of Ubiquiti equipment, including switches and access points, expanded on-site connectivity, and bolstered data security with Azure AD Tenant 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

- 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.

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.