

Donald W. Strong

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Education

Sep 2019 – Jun 2023	Western Washington University Bellingham, WA <i>Master of Science in Computer Science</i> <ul style="list-style-type: none">Coursework: Advanced Algorithm Analysis, ICT Solutions for the Social Good, Cloud Computing Fundamentals (AWS), Accessible Computing. <i>Bachelor of Science in Computer Science</i> <ul style="list-style-type: none">Coursework: Algorithms Analysis I & II, Data Structures, Operating Systems, Computer Networks, Android App Development.
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Work Experience

Aug 2022 – Present	Information Technology Specialist Western Washington University, Bellingham, WA <ul style="list-style-type: none">Managed account creation and user management processes in an Azure environment, ensuring seamless onboarding and access to essential systems and resources for WCEL personnel.Designed and implemented a user-friendly registration and check-in portal for new and existing patients as an AWS Web application. Leveraged HTML/CSS, Node.js, Flask, and MongoDB to deliver a seamless user experience and optimize data management processes.Automated data flow between CRM systems, leveraging Python scripts to streamline processes, improve data integrity, and enhance overall system efficiency.
Sep 2021 – Dec 2023	Database Systems Teaching Assistant Western Washington University, Bellingham, WA <ul style="list-style-type: none">Helped instructor reinforce understanding of database systems concepts, including relational database design, SQL, and functional dependency for undergraduate computer science students.Assisted students with creating detailed documentation of system requirements, development of quality code, and use of effective debugging and testing procedures.Contributed to a 96.5% pass rate (138/143), helped students in showcasing proficiency in SDLC concepts and database systems principles.
Jan 2015 – May 2018	Cryptologic Technician First Class Petty Officer U.S. Navy, Kunia, HI <ul style="list-style-type: none">Streamlined day-to-day operations for Intelligence Community customers by automating workflows, performed data analysis, and developed signature detection and data visualization solutions using Python.Managed 2 SIGINT databases ensuring discovery of previously unidentified technologies and community-wide dissemination of intelligence.

Projects

Deadwood Board Game | github.com/dwstrong5/Deadwood

- Developed GUI-based version of Deadwood board game using Java, demonstrating knowledge of SDLC by authoring software requirements specifications (SRS) and UML class diagrams.
- Demonstrated proper implementation of Model-View-Controller design pattern and Test-driven Development ensuring code quality and adherence to SRS.

Project Gallery | github.com/dwstrong5/project-gallery

- Used React JS and Bootstrap for front-end development of a gallery-style recruitment tool to assist computer science students in showcasing projects and technical recruiters in filling open positions with ideal candidates.

Skills

Languages & Libraries: C, Java, Python, JavaScript, Kotlin, GoLang.

Frameworks: React, Vue.js, Express.js, Flask.

Databases: MySQL, MongoDB, DynamoDB.

Other: Git, GitHub, AWS, Azure.