

# Donald W. Strong

(559) 904-1037    Donald.W.Strong5@gmail.com    Dwstrong5    linkedin.com/in/Dwstrong

## Education

Sep 2019 – Present	<b>Western Washington University   Bellingham WA</b> <i>Master of Science in Computer Science   Sep 2021 – Present</i> <ul style="list-style-type: none"><li>Coursework: Advanced Algorithm Analysis, Formal Language Theory, ICT Solutions for the Social Good, Human-Computer Interaction (<i>in progress</i>), Cloud Computing (<i>in progress</i>).</li></ul> <i>Bachelor of Science in Computer Science   Graduated Jun 2021</i> <ul style="list-style-type: none"><li>Coursework: Algorithm Analysis I &amp; II, Data Structures, Operating Systems, Computer Networks, Database Systems, Object Oriented Design Principles, Android App Development.</li></ul>
Jan 2015 – May 2018	<b>National Cryptologic School   NSA/CSS Hawaii, Kunia HI</b> <i>Military Cryptologic Continuing Education Program (MCCEP) Phase I Certification</i> <ul style="list-style-type: none"><li>Coursework: Digital Network Intelligence Gateway, Networking Fundamentals, Intermediate Protocol Analysis (OSI &amp; TCP/IP models), Time-Division Multiplexing Analysis.</li></ul>

## Work Experience

Sep 2021 – Present	<b>Computer Science Teaching Assistant   Western Washington University, Bellingham WA</b> <ul style="list-style-type: none"><li>Helped lead instructor reinforce understanding of MySQL and database principles by providing supplemental instruction for over 100 undergraduate computer science students over two academic quarters, resulting in a 99% pass rate.</li><li>Assisted students with navigating the software development life cycle by ensuring effective planning, authoring of efficient code, and employing proper debugging and testing procedures.</li></ul>
Jan 2015 – May 2018	<b>Cryptologic Technician First Class Petty Officer   U.S. Navy, Kunia HI</b> <ul style="list-style-type: none"><li>Provided analysis on large data sets and worked directly with customers to develop optimal software solutions in response to customer needs.</li><li>Developed signature detection and data processing solutions using Python, enabling viewing to non-signals analysts and the distribution of intelligence to community wide audience.</li><li>Managed 2 SIGINT databases ensuring proper data flow and identification of protocol stack.</li></ul>

## Projects

### Deadwood Board Game | [github.com/dwstrong5/Deadwood](https://github.com/dwstrong5/Deadwood)

- Developed GUI-based version of Deadwood board game using Java.
- Demonstrated knowledge of Model-View-Controller (MVC) design pattern and Test-driven Development (TDD).

### Project Gallery | [github.com/dwstrong5/project-gallery](https://github.com/dwstrong5/project-gallery)

- Used React JS and Bootstrap for front-end development to create a gallery-style recruitment tool to assist computer science students in showcasing projects and technical recruiters in filling open positions with ideal candidates.
- Used Python and Flask for API functionality providing authentication services and enabling storage of project data.

### Happy Android Application | [github.com/dwstrong5/Happy](https://github.com/dwstrong5/Happy)

- Served as team member to develop android mobile app in Kotlin to promote mental and physical health.
- Demonstrated working knowledge of various components of android app architecture and systems design (Gradle (Groovy), fragments, APIs, JSON objects).

## Skills

**Languages & Libraries:** C, Java, JavaScript, React, Kotlin, Python, MySQL.

**Tools:** Git/Github/Gitflow, Android Studio, IntelliJ, VSCode.

**Other:** Linux, HTML/CSS, XML, JSON, LaTeX, Computer Networks (TCP/IP, OSI models), Web applications/Web UI.