Dakota J. Swank

San Diego, CA ┃ dakotaswank18@gmail.com ┃ linkedin.com/in/d-swank ┃ github.com/d-swank

EDUCATION

California State University San Marcos
Bachelor of Science (B.S.), Computer Science
San Marcos, CA
Jan 2022–May 2023
Honors: Most recent GPA: 3.66 | Golden Key International Honor Society

Mira Costa Community College
Associate of Science (A.S.), Computer Science
Oceanside, CA
Jan 2019–Dec 2021
Honors: GPA: 3.76 | Phi Theta Kappa Honors Society | President's Permanent Honor Roll

HARD & SOFT SKILLS

Hard Skills: C++, Python, Java, SQL, Assembly, Visual Studio, NetBeans, Empress, Microsoft Office Suite

Soft Skills: Leadership, excellent communication, writes clearly and concisely, thrives in a collaborative environment, actively meets deadlines, ability to manage multiple projects

PROJECTS

Musical Light Display: Developed an embedded system utilizing a Nucleo board that uses push buttons to select a Christmas song. When a song plays, three LEDs flash to the notes of the song, displays the name of the song on an LCD screen and when the song is playing a potentiometer is used for volume control. **PL used:** C++

Lexical Analyzer GUI: Created a GUI application using Tkinter that implemented a lexical analyzer by taking the input of source code, reading it line by line, getting the lexical analyzed result, and then parsing it into a parse tree. **PL used:** Python

Translator: Developed a translator that utilizes a deterministic finite automaton (DFA) to adhere to a specific set of rules. Using provided files containing various sentences, the program checks for syntactic and semantic accuracy. If the sentences pass this check, the program accurately parses and translates the story from Japanese to English. **PL used:** C++

PROFESSIONAL EXPERIENCE

United States Navy
Boatswain's Mate
San Diego, CA
Sep 2014 – Sep 2018

- Held a secret security clearance while performing bridge associated tasks such as standing watch as Helmsman and Lee Helmsman.

- Essential to the ship's navigation for serving as a master helmsman who successfully conducted critical tasks of driving a 1,092-foot aircraft carrier through 16 special evolutions traveling over 12,000 miles and 4 successful Pacific deployments.

- Stood watch as BMOW (Boatswain's Mate of the Watch) which included the responsibility of leading a team of five seamen to having a successful watch, making special announcements and everything related to the ship's activities over the 1MC.

- Trained, directed, and supervised personnel in ship's maintenance duties from all activities relating to marlinespike, deck, boat seamanship, painting, upkeep of ship's external structure, rigging, deck equipment, and RHIBs (Rigid Hull Inflatable Boats).