

## SUMMARY

I thrive on curiosity, effective communication, and attention to detail. My passion lies in diving into mysteries, constantly learning, and gaining that "a-ha!" moment when the big picture emerges. I excel in researching and questioning to ensure I'm prepared with answers. I take action by leveraging my insights to devise strategic plans and collaborate with others to bring them to fruition.

## EDUCATION

**Bachelor of Science in Computer Science**

*California State University San Marcos*  
\*Expected Graduation December 2024

## SKILLS

Python Programming	Data Structures and Algorithms	Flask Framework
C++ Programming	HTML & CSS	Pandas
Java Programming	SQL	Matplotlib

## PROJECTS

[Password Validator](#): As part of a personal project, I developed a Password Validator application.

- Designed and implemented the graphical user interface (GUI) using Tkinter, Python's standard GUI toolkit.
- Developed Python scripts to handle password validation logic, including length checks, character type verification, and detection of repetition patterns.
- Ensured a user-friendly experience by providing clear feedback messages indicating whether the password meets the validation criteria.

[Snake-Game](#): Created the classic Snake game utilizing Python and the Tkinter library.

- Players control the movement of the snake using arrow keys, aiming to consume as much food as possible without colliding with obstacles.
- The game keeps track of the player's score, increasing each time the snake consumes a food pellet.
- When the snake collides with walls or itself, the game ends, displaying a "Game Over" message along with the final score.
- Food pellets are randomly generated on the grid, providing a constant challenge for the player to reach them.

[Ad Analysis](#): Utilizing Python and the Pandas, Matplotlib libraries, I conducted an in-depth examination of ad clicks data to evaluate the performance of two distinct ad campaigns, namely Ad A and Ad B.

- Analyzed ad clicks data to evaluate the efficacy of advertising platforms.
- Conducted comparative analysis between Ad A and Ad B to determine their respective performance metrics.
- Utilized data visualization techniques to illustrate performance trends and patterns over time.
- Generated comprehensive reports outlining findings and recommendations for campaign optimization.

## WORK EXPERIENCE

Master at Arms — U.S. Navy  
Coronado, California

December 2013 — April 2019

- Led and supervised teams of up to 35 personnel in daily operations of Random Anti-Terrorism Measures and security procedures to ensure safety and security of the U.S. Naval facilities.
- Facilitated on-the-job training and development of 30 security personnel and Department of Defense officers in job-related procedures, ensuring they were equipped with the necessary skills and knowledge to perform their duties effectively, enhancing the sections' mission readiness by 20 percent.