Von Taylor

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https://von-taylor.github.io/VonTaylor/

EDUCATION

University of California, San Diego San Diego, CA

Bachelor of Science in Computer Science, GPA: 3.72 Expected March 2025

Relevant Coursework: Data Structures and Algorithms, Computer Systems, Software Tools

Skyline Community College San Bruno, CA

General Education with a Concentration in Computer Science, GPA: 4.0 August 2020 – May 2022

TECHNICAL SKILLS

Programming Languages: Proficient - Java; Familiar - C, C++, ARM, Kotlin, Python, Bash Script
Software Tools: VS Code, Android Studio, Vim, Command Terminal, Git, and Github

PROJECTS

Android Studio, *an integrated development environment designed specifically for Android development*
- Random Password Generator (Kotlin): Mobile app that utilizes the Gradle framework to allow users to press a button that generates a password depending on if they choose uppercase letters, lowercase letters, digits, and/or symbols
- Calculator (Kotlin): Mobile app that utilizes the Grade framework to allow users to do simple arithmetic with integers and decimals, which includes addition, subtraction, multiplication, and division

Academic Projects
- Book Cipher (C/ARM): Program that utilizes the words from any book, text file, or binary file to encrypt and decrypt any text or binary file using bitwise operations
- Memory Parking Ticket Database (C): Program that utilizes the hashing and linked list data structures to create and manage a parking ticket database in memory based on real data from the 2018 New York City summons database
- Data Tokenizer (C): Program that utilizes tokenization to replace the comma delimiters from CSV files with a unique identification symbol to separate the CSV file's contents into manageable and processable data fields
- C Preprocessor Simulator (C): Program that simulates the C preprocessor by reading in a file and removing all C and C++ style comments from the file
- Memory-matching Game (Java): Prints out a grid filled with items, in which it allows the user to try to match any two items in the grid at a time, to which when the user successfully matches all the items in the grid, the game ends

WORK EXPERIENCE

Skyline Community College Stem Center San Bruno, CA

Skyline Peer Instructor Tutor January 2022 – May 2022
- Contributed to the tutoring and assistance of a total of more than 759 satisfied students in STEM
- Lead office hours and physics workshops to help students increase their performance and test scores
- Proven capability to illustrate a positive attitude while communicating ideas clearly with others and guiding them to desired solutions to their inquiries

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Management Leadership for Tomorrow (MLT) San Francisco, CA

Career Preparation Fellow February 2023 – Present
- Selected among thousands of high-achieving applicants to participate in this Career Preparation program focused on professional and leadership development

UCSD Computer Science and Engineering Society (CSES) San Diego, CA

Staff Member February 2023 – Present
- Engaged in professional development events to learn how to become a more rounded Computer Scientist

INTERESTS

Passionate and experienced with software development, back-end development, and mobile application development, and interested in doing problems on LeetCode and Hackerrank