

Emmett de Bruin

Long Beach, NY | (516) 675-9890 | emmettdebruin22@gmail.com

EDUCATION

University of San Diego | San Diego, CA
Bachelor of Arts, Computer Science
Minor, Visual Arts

Expected May 2025

Relevant Coursework: Computational Problem Solving, Programming Abstractions and Methodologies, Advanced Computational Problem Modeling, Introduction to Computer Systems

SKILLS

Programming Languages: Java, C, Python. **Operating Systems:** Microsoft Windows, Linux

- Proficient in object-oriented programming.
- Familiar with assembly language concepts.
- Documented track record of successful collaboration among coworkers and peers.
- Feedback-oriented mindset.

PROJECTS

Maximum Subsequence Sum Algorithm

Fall 2023

Advanced Computational Problem Modeling (COMP 230)

- Designed Java program to implement and analyze four different versions of the Maximum Subsequence Sum (MSS) problem using peer programming.
- Created algorithm comparison summary including a complexity analysis for each algorithm and an algorithm runtime comparison. Presented findings to course professor.

Caesar Cipher

Fall 2023

Advanced Computational Problem Modeling (COMP 230)

- Implemented a program using a repeating key to encode a message specified by the user.
- Designed additional program using same repeating key to decode the encoded message.
- Project received perfect score upon completion.

Wordle Replica

Spring 2022

Programming Abstractions and Methodologies (COMP 120)

- Designed a program to replicate New York Times Wordle game. Created a graphical user interface to allow user to interact with the program.

WORK EXPERIENCE & INVOLVEMENT

Team Member | San Diego, CA

Fall 2021 – Present

University of San Diego Club Volleyball Team

- Devotes 6+ hours a week to training and competition. Competes annually at National Collegiate Volleyball Federation Nationals.

Beach Comfort Guard | Long Beach, NY

Summer 2018 – 2020

Beach Comfort

- Coordinated among team members to assist clients with purchases, heavy baggage, and other requests. Managed transactions between clients and employees.