

Derek Ma

d5ma@ucsd.edu | (617) 259-6682 | github.com/ProdLax

EDUCATION

University of California, San Diego

B.S., Computer Science

Expected May 2024

- 4.0 Major GPA
 - Provost Honors
-

RELEVANT COURSES

Object Oriented Programming, Systems Programming, Data Structures, Software Development, Algorithms and Systems, Discrete Mathematics, Theory of Computation, Calculus III, Proof-based Linear Algebra

PROJECTS & EXPERIENCE

5th Place WIC Programming Competition 2022

March 2022

- Placed 5th out of 63 participants in the annual WIC @ UC San Diego campuswide programming competition

Flappy Bird Game Recreation

May 2021-June 2021

Project

- Recreated the popular mobile game Flappy Bird in Java in a group of 4 people
- Programmed the score mechanism, which updated and displayed the score at every tick, saved and updated the high score, and writes records of the scores and high scores to a text file when the program is terminated using Java FileWriter and FileReader packages
- Utilized Java AWT and Swing packages to render and display the game

NEXSTREAM TECHNICAL INSTITUTE, San Diego, CA

May 2020-September 2020

Intern Curriculum Developer

- Created and taught over 10 courses on the topics of machine learning, artificial intelligence, and robotic automation
 - Used ActivePresenter software to record voiceovers, illustrate and highlight diagrams and concepts, and programmed interactive quizzes with written feedback and saved score
 - Uploaded as interactive presentations for access to all students within the educational program
-

SKILLS & LANGUAGES

Proficient: Java, C, Git

Familiar: Python, JavaScript, SQL, HTML

Miscellaneous: Fluent in Chinese