Kanan Boubion

San Diego, CA 92110

(626) 660-8901 • kananbboubion@gmail.com • www.github.com/kananb

Education

University of San Diego San Diego, CA

B.S. Computer Science; Minor: Mathematics; GPA: 3.59; Major GPA: 4.0 Expected May, 2022

Relevant courses:

- Automata, Computability, & Lang
- Object Oriented Programming & Design
- Computer Graphics
- Data Structures & Algorithms
- Computer Programming II
- Intro to Computer Systems
- Principles of Info. Security

Software Projects

Console-Based Image Displayer - C++ (WinAPI) Jan 2020

– Designed and implemented software that allows a user to view image files that are accurately colored and proportioned from within the command prompt by altering the console's color table and text buffer

Input Recorder/Replayer - C++ (WinAPI) Aug 2019

– Developed an application that allows a user to capture and log all keystrokes and mouse inputs to an output file and to simulate each input from one of those files in the same timing as originally entered by the user

Secure Messaging Desktop Application - Java 2017

– Programmed a messaging application that encrypts all messages between the server and clients using a Vignere cipher whose key was decided using a Diffie-Hellman key exchange which was implemented using 4098-bit RSA encryption

Employment

Fitness Coach Wrightwood, CA

Wrightwood Fitness Feb - Aug 2018 & Jun- Sep 2019

– Learned strong interpersonal communication skills by working at the front desk, greeting customers, answering questions, and handling payments

– Designed and implemented kids' and men's fitness classes and lead the Young Athletes Training Program

– Sharpened coaching and organization skills by assisting with special programs and adult classes

Boys Gymnastics Head Coach Pinon Hills, CA

High Desert Gymnastics Jun 2017 - May 2018

– Improved problem-solving capabilities by designing gymnastics drills and conditioning workouts and adapting skill progressions to suit the needs of each gymnast

– Coached boys' and girls' gymnastics classes, working with a wide range of ages from 5-14 years old

– Assisted in teaching the competitive girls' gymnastics and Tumbling and Trampoline teams

Skills

– Programming Languages: Fluent in C++ and Java, proficient in C, Python, HTML, CSS, and Javascript, familiar with C# and x86
   Assembly

– Experience with: (Proficient) Windows OS and WinAPI, (Familiar) OS X, Linux, and Git version control software