

Zhenni Xu

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Education

University of California, Santa Barbara, Goleta, CA

Expected graduation date: June 2022

B.S. in Computer Science

GPA: 3.86/4.00

Dean's Honors

Spring 2019

Coursework

Computer Science: Problem Solving with Computers I (Fundamental Programming using C++), Problem Solving with Computers II (Intermediate Programming using C++), Object Oriented Design and Implementation (Topics include encapsulation, data hiding, inheritance, polymorphism, compilation, linking and loading, memory management, and debugging)

Math: Foundations of Computer Science (Discrete Mathematics)

Programming Skills

- Familiar with: C++, Python (Jupyter Lab, Jupyter Notebook), Java

Projects

Problem Solving with Computers II, A project Using C++

May 2019

- Searched movies listed in files, and reported a Timing Analysis of Searching Times
- Implemented the use of Binary Search Trees, Recursion Algorithm, Makefile, the concept of Clocks and other intermediate programming skills in C++

Problem Solving with Computers II, A project Using C++

May 2019

- Played a card game by using the application of class, header files, and other fundamental skills in C++

Work Experience

Website Programmer– SexInfo Online, Department of Sociology, UCSB

October 2019-Present

- A web-designing job that helps to build a plugin for the FAQ parts of the website
- Developed a website called “SexInfo Online” intended to help people all over the world have access to a non-biased source about gender, sexual orientation, and sexually transmitted diseases, etc.

Research Assistant– Prof. Linda Petzold's lab, UCSB

September 2019-Present

- Implement a research project named “Bayesian Inference for Multi Electrode Array Recording” that used deep learning and Bayesian Inference methods to analyze neuroscience data