CAMILLE HUANG

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PROFILE

A Master of Molecular Science and Software Engineering student at UC Berkeley with excellent analytical and problem solving skills looking to develop a career in software engineering.

WORK EXPERIENCE

February 2021 - July 2021

Software Intern, Nvidia Corporation

-Use Pybind11 to create Python bindings for the DeepStream SDK to expose the C++ source code to a Python interface

-Work with clients to understand their requirements and implement new functionalities to exceed their expectations

June 2019 - June 2020

Undergraduate Researcher, Department of Computer Science and Department of Human Genetics, University of California, Los Angeles

-Work in a team to develop and validate models for analyzing genome-wide association studies to boost the predictive power of polygenic risk scores

-Design and execute experiments around the acquisition and analysis of large sets of data

-Present findings to the UCLA community at a scientific poster session as a part of UCLA's Bruins in Genomics Research Program

September 2016 - present

Private Tutor

-Teach high school and college students general and organic chemistry as well as pre-calculus and calculus.

-Communicate complex concepts and processes in both one-on-one and group settings

-Help students develop organization skills and study strategies optimized for their individual learning styles

EDUCATION

Aug 2020 - present

University of California, Berkeley **GPA: 4.000**

Master of Molecular Science and Software Engineering

Relevant Coursework:

- Foundations of Programming and Software Engineering
- Introduction to Software Engineering Best Practices

Sept 2018 - June 2020

University of California, Los Angeles **GPA: 3.947**

B.S. in Chemistry with a minor in bioinformatics
Summa Cum Laude
Departmental Highest Honors

Relevant Coursework:

-CS 31: Introduction to Computer Science I
Basics of computer science theory and object-oriented programming using C++

-CS 32: Introduction to Computer Science II
Object-oriented view of data structures and algorithm analysis

-STATS 100A: Introduction to Probability
Axioms of probability, random variables, vectors, and expectation

-CS CM122: Algorithms in Bioinformatics and Systems Biology

-CS 180: Introduction to Algorithms and Complexity

SKILLS

-Object-oriented analysis and design
-C++, Microsoft Visual Studio
-Python, Pycharm, Jupyter Notebook
-Experience working in a Linux environment
-Excellent analytical and problem solving skills
-Fast and committed learner
-Graphic Design and animation using Adobe Photoshop, Illustrator, and After Effects
-Microsoft Excel, PowerPoint, Word
-Strong verbal and written communication skills