

CHIH-YANG (YOUNG) LIN

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EDUCATION

College

September 2020 – December 2023

Washington University in St. Louis, St. Louis, MO

B.S. Major: Computer Science and Financial Engineering

Minor: Psychological and Brain Sciences

Cumulative GPA: 4.00/4.00; Dean's List all semesters

Relevant Coursework: Data Structure and Algorithms, Object-Oriented Software Development Laboratory, Probability and Statistics for Engineering, Principles of Financial Accounting, Matrix Algebra, Calculus III, Intermediate Microeconomics

Club & Organizations: Taiwan Student Organization (Executive Board); WashU Student Investment Fund (Junior Analyst); WashU Penny Stock Investment Club (Officer); B34R5Hell CTF team (Member)

PROFESSIONAL, LEADERSHIP OR VOLUNTEER EXPERIENCE

Data Structures and Algorithm (CSE 247)

September 2021 - Present

Teaching Assistant

- Assisted students in understanding challenging concepts like ordered collections, greedy/sorting algorithms, and run-time complexity
- Hosted weekly office hours to provide direct assistance on weekly labs/assessments
- Managed a lab of 50+ students by clarifying lab instructions and explaining lecture concepts

Engineering Student Services (EUSS)

September 2021 – December 2021

Tutor

- Introduced students to concepts like recursion, linear data structures, and object-oriented programming
- Increased lab completion by offering clear alternatives to assist students in debugging convoluted code
- Assisted in exam review by explaining core concepts and clarifying challenging questions in the mock exam

Model United Nations

Spring 2019 – Spring 2020

Treasurer

- Created weekly presentations to extend members' knowledge of world news/history
- Trained students to develop resolution writing, speech making, and source evaluation abilities

SKILLS AND INTERESTS

Languages: Proficient in English and Mandarin

Programming Languages: Java, C++, Python, HTML/CSS

Software: Eclipse, Microsoft Visual Studio, Git Bash, Microsoft Office Suite

Technical Skills: Object-Oriented Programming, Web Development, Data Structure & Algorithms

PROJECTS

Personal Website

- Self-taught web development skills like HTML, CSS, and Ruby scripting to design personal website
- Utilized GitHub pages to introduce my personal projects, achievements, and story
- Edited HTML and CSS to create a dynamic and interactive website

File System Simulation

- Built a software simulation of a file system by implementing user interface similar to a command prompt that allows users to interact with the file system and the files it contains
- Created eight unique commands for users to access and modify the files in the file system
- Utilized object-oriented programming design principles and patterns, including interface inheritance, abstract factory design pattern, prototype pattern, composite pattern, command pattern, and more