

CHIH-YANG (YOUNG) LIN

WEBSITE: [HTTPS://YOUNG34LIN.GITHUB.IO/YOUNGLIN.GITHUB.IO/](https://young34lin.github.io/younglin.github.io/) | PHONE: +1 314-243-4969 | EMAIL: CHIH-YANG.L@WUSTL.EDU

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, Rapid Prototype Development and Creative Programming, Introduction to Data Science, Programming Tools and Techniques, Probability and Statistics for Engineering, Principles of Financial Accounting

Club & Organizations: Google Developer Student Club (Developer), WashU Hack Club (Technology Team), Taiwan Student Organization (Vice President); WashU Student Investment Fund (Junior Analyst); WashU Penny Stock Investment Club (Officer)

PROFESSIONAL, LEADERSHIP OR VOLUNTEER EXPERIENCE

Computer Security and Privacy Laboratory

January 2022 - Present

Research Assistant

- Working at Dr. Ning Zhang's cybersecurity lab to conduct adversarial machine learning by discovering vulnerabilities in autonomous vehicles
- Exploring possible exploitation of HDR (high dynamic range) algorithms to generate misclassification in the vehicles' interpretation of objects
- Researching similar exploitations mechanisms (i.e. acoustic adversarial machine learning) and creating presentations to discover popular patterns of exploitations

Data Structures and Algorithm (CSE247)

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

SKILLS AND INTERESTS

Languages: Proficient in English and Mandarin

Technical Skills: Java, C++, Python, HTML/CSS, PHP, Bash/Shell, Linux, SQL, Git

Software: Apache Server, Eclipse, Microsoft Visual Studio, Microsoft Office Suite

PROJECTS

Personal Website

- Self-taught web development skills like HTML and CSS 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, command pattern, and more