Allen Wu

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I'm a junior Math/CS major particularly interested in software development, user-computer interactions, and finance. Outside of pursuing my degree, I'm also passionate about participating in diversity initiatives, reading, and working on personal projects at https://allenwu038.github.io.

Experience

PIMCO — *Tech Analyst Intern*

June 2020 - August 2020

- Worked on Core Support Team for Portfolio Analytics

Harvey Mudd CS Department — *Summer Staff*

June 2019 - August 2019

- Designed websites using HTML, CSS, and JS.
- Wrote Python scripts to autofill templated emails to facilitate correspondence between professors and students.
- Successfully improved curricula via discovering and updating browser-based interfaces used for homework assignments.

JUV Consulting — *Consultant*

Aug. 2018 - June 2020

- Developed marketing plans for companies via feedback reports based on aggregated data on socioeconomic factors, generational trends, and user surveys.

Projects

Gamified Task Manager, Team Lead

Personal Project, Summer 2020

Developing a quest-based to-do list app inspired by the lack of gamified task managers on the app store that were both functional and aesthetically pleasing. Currently in the works with a team I gathered and am leading.

ChunkyString, Pair Programmer

Harvey Mudd College, Spring 2020

Employed C++ to design and implement a dynamic data structure that represents strings as a linked list of static arrays and supports bidirectional iterators, with constant time insert and remove functions and a full testing suite.

Education

Harvey Mudd College, Claremont, CA — *B.S. Math and Computer Science Major, Economics Minor*
Sept. 2018 - May 2022

GPA: 3.7

Relevant Coursework:

- Principles of CS, Data Structures & Program Development, Logic & Computability, Artificial Intelligence, Algorithms

- Discrete Mathematics, Advanced Linear Algebra, Number Theory, Abstract Algebra

- Financial Economics, Macroeconomics, Game Theory

Skills

Programming: Python, Java, C++, Racket, HTML, CSS, R, LaTeX

Tools: VS Code, Docker, Overleaf, Google Drive, Github

Languages: English, Mandarin, French