Adam Wang

wang-adam.github.io

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Github: github.com/wang-adam

EDUCATION

University of Washington   *GPA: 3.95*   *Seattle, WA*
Bachelor of Science in Computer Science (Data Science Concentration)   Sept. 2020 – Jun. 2023

– Honors: Magna Cum Laude Baccalaureate Honors; Dean's List

– Relevant courses: Data Structures and Parallelism, Algorithms, Machine Learning, Systems Programming, Computer Security, Computer Vision, Data Management, Database Internals, Data Visualization

INDUSTRY EXPERIENCE

Amazon   *Seattle, WA*
Software Engineer Intern   Jun 2022 - Sept 2022

– Incorporated a machine learning model into the offline pipeline; filters images to be displayed on the Discover widget of Amazon.com based on generated labels

– Created and called API to access the model; stores generated dataset in S3 AWS storage

– Queried databases to compare results from new model versus past filtering techniques

– Used Docker to access and modify internal data; Successfully tested implementation in production environment

OTHER EXPERIENCE

Paul G. Allen School of Computer Science & Engineering   *Seattle, WA*
Computer Vision Teaching Assistant   Jan 2023 – Mar 2023

– Hold office hours to assist students with course content and projects, graded projects

Self Employed   *Remote*
Private Tutor   Jun 2019 – Jun 2022

– Taught high school students AP Computer Science, AP Calculus, AP Physics, AP Chemistry, and other courses

– Worked with parents to help students with long term academic and schedule planning

Tyee Middle School   *Bellevue, WA*
Math Club Coach   Sep 2017– Jun 2020

– Gave weekly lectures and problem-sets to class of 20 students

– Prepared them for regional and national competitions

PROJECTS

Road Runner   Jun 2023 – Current

– Utilizes Google Maps API to calculate the optimal time to depart within a specified time window in order to have the shortest commute time

Eve   Feb 2023 – Current

– Personal desktop assistant that performs actions using voice commands; can open programs, perform web searches, focus specified applications, lock computer, self-restart

Image to ASCII   Jun 2022

– Displays live video in a terminal shell without a GUI; converts input into ASCII characters in real time

– Performs transformation using convolutions, Harris Corner detection, histogram of oriented gradients

Fruity Stats   Dec 2021

– Learned to use REST APIs; built a web app that retrieves fruit information based on search query

Personal Website   Jul 2021 – Aug 2021

– Built responsive webpages from scratch; contains on-page navigation, parallax, interactive dropdowns

Shoot the Moon   Nov 2020 – Dec 2020

– Built a web app that calculates the ideal location to photograph the moon and a tall landmark together using the landmark location and lunar orbit

PROGRAMMING SKILLS

Languages: Java, Python, SQL, C++, C, R   **Technologies**: AWS, React