

Adam Wang

✉ adamwang@uw.edu

🏠 adamw24.github.io

🌐 linkedin.com/in/adamwang24

🐙 github.com/adamw24

Education

University of Washington, Seattle

GPA: 3.92/4.0

Expected Graduation: Jun 2023

Computer Science – Data Science Major

Relevant courses: Data Structures and Parallelism, Intro to Algorithms, Machine Learning, Computer Vision, Systems Programming, Intro to Data Management, Data Science Foundations, Deep Learning, Data Visualization

Awards: Dean's List 2020, 2021

Proficient Languages: Java, Python

Other: R, SQL, JavaScript, ReactJS, C, C++, Git, Shiny

Experience

Software Engineer Intern, Amazon

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

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 planning and schedule management

Math Club Coach, Tyee Middle School

Sep 2017– Jun 2020

- Gave weekly lectures and problem-sets to class of 20 students; prepared them for regional and national competitions

Brand Representative, Abercrombie & Fitch

Jul 2019 – Feb 2020

- Promoted sales, improved customer service, communication, and multi-tasking skills in a professional setting

Rocketry Club Leadership Team, Newport High School

Sep 2018 – Jun 2020

- National Finalist at The American Rocketry Challenge

Projects

Image to ASCII – Python

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 – ReactJS, REST APIs

Dec 2021

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

Eve – Azure Speech Dictation & Text-to-Speech

Aug 2021 – Oct 2021

- Implemented speech dictation and TTS for my personal desktop assistant; can open programs, perform web searches, switch windows, lock computer, and self-termination/restart

Clothing Identifier – Machine Learning, TensorFlow

Sep 2021

- Created a neural network that categorizes clothes; improved it to successfully process online images

Facial Recognition & Foreground Processing – Python OpenCV

Jul 2021

- Experimented with lighting, angles, and obstruction for facial recognition and foreground detection capabilities

Personal Website – HTML/CSS, JavaScript

Jul 2021 – Aug 2021

- Learned to build responsive webpages from scratch; contains on-page navigation, parallax, interactive dropdowns

Shoot the Moon – Java, JavaScript

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