Adam Wang

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Education

University of Washington, Seattle   GPA: 3.92/4.0   Expected Graduation: Jun 2023

Bachelor of Science, Computer Science – Data Science

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 (all quarters)

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 diction 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