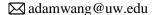
ADAM WANG



adamw24.github.io in linkedin.com/in/adamwang24 in github.com/adamw24

Education

University of Washington, Seattle

GPA: 3.90/4.0

Class of 2024

Computer Science – Data Science Major at the Paul G. Allen School

Relevant courses:

Data Structures and Parallelism (CSE332) Software Design & Implementation (CSE331)

Hardware/Software Interface (CSE351) Systems Programming (CSE333)

Foundations of Computing II (CSE312) Data Science Foundations (INFO201) Beginning Scientific Computing (AMATH301) Foundations of Computing I (CSE311) Calculus with Analytic Geometry III (MATH126) Computer Programming II (CSE143)

Intermediate Microeconomics (ECON300)

Proficiency: Java Other Languages: Python, JavaScript, ReactJS, R, C, C++

Newport High School, Bellevue, WA GPA: 3.96/4.0 Class of 2020

Projects

Personal Website

Built responsive web portfolios from scratch using HTML5, CSS, and JavaScript

Machine Learning (TensorFlow)

Created a Neural Network that categorizes clothes, expanded it to process images off the internet

Data Analysis and Processing

- Generated Monte Carlo projections and found the best day to buy/sell using stock market data
- Determined the shortest walking path between two locations on campus using path data
- Used parallel computing to calculate the population inside a region of the US from census data
- **Computer Vision**
 - Experimented with lighting, angles, and obstruction effects on facial recognition using OpenCV
- **Math and Physics Simulations**
 - Brownian motion: explored the random motion of particles due to collisions with their medium
 - Produced Sierpinski's Triangle and approximated Euler's Number using randomization
 - Built Conway's Game of Life cellular automaton using ReactJS.
- Cloud (Azure)
 - Worked on text-to-speech and speech-to-text programs using Azure's cognitive services.
 - Deployed static web applications on Azure's platform.
- Games
 - Recreated games like Mine Sweeper, BMTron, Pong, and Tic-Tac-Toe using ReactJS and Python

Work Experience

- **Private Tutor** (2019, 2020, 2021)
 - Individually tutor AP Calculus, AP Physics, AP Chemistry, English, and other classes
- Abercrombie & Fitch Brand Representative (2019, 2020)
 - I gained customer service, communication, and time management skills in a professional setting
- Newport High School Rocketry Club (2019, 2020)
 - Leadership team; qualified and competed at The American Rocketry Challenge Nationals
- Freelance Photographer (2020, 2021)
 - Take portrait photos for group and individual events including prom, senior portraits, etc.
- **Evergreen Health Hospital Volunteer** (2019, 2020)
 - Transported patients, performed lab runs, assisted visitors, ran the information desk, etc.
- Tyee Middle School Math Club Coach (2018, 2019, 2020)
 - Taught middle schoolers competition math every week, prepared for competitions