

ADAM WANG

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Education

University of Washington, Seattle

GPA: 3.90/4.0

Class of 2024

Computer 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)

Data Science Foundations (INFO201)

Foundations of Computing II (CSE312)

Beginning Scientific Computing (AMATH301)

Foundations of Computing I (CSE311)

Programming Languages (CSE341)

Computer Programming II (CSE143)

Calculus with Analytic Geometry III (MATH126)

Intermediate Microeconomics (ECON300)

Proficiency: Java

Other Languages: Python, JavaScript, React

Newport High School, Bellevue, WA

GPA: 3.96/4.0

Class of 2020

Projects

- **Personal Website:** adamw24.github.io
 - Built responsive web portfolios from scratch using HTML5, CSS, and JavaScript
- **Machine Learning (TensorFlow):**
 - Created a Neural Network, trained from the Fashion MNIST dataset, that categorizes clothes
- **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 obstructions 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
- **Cloud (Azure)**
 - Worked on text-to-speech and speech-to-text programs using Azure's cognitive services.
- **Games**
 - Created computer opponents that can play sub-optimally to mimic human performance
 - Recreated classic games including BMTron, Pong, Mine Sweeper, and Tic-Tac-Toe

Work Experience

- **Private Tutor** (2019, 2020, 2021)
 - Individually tutor English, Algebra 2, Geometry, Pre-Calculus, and AP Chemistry
- **Abercrombie & Fitch Brand Representative** (2019, 2020)
 - Paid job: I gained professional retail experience, customer service skills, etc.
- **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
- **Wise Camps Counselor** (2018, 2019)
 - Organized and oversaw labs and activities in chemistry and pre-med biology camps