

# ADAM WANG

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## 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)

Data Science Foundations (INFO201)

Foundations of Computing II (CSE312)

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

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## 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

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## 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