ADAM WANG

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github.com/adamw24 · adamw24.github.io

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, C

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

Projects

- **Personal Website:** adamw24.github.io
  - Learned web development and built responsive webpages from scratch using HTML5, CSS, and JavaScript. Showcases my project and photography portfolios.
- **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
  - Extracted and parsed personal social media data to reveal activity and communication trends
- **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
  - Created 2D elastic collisions between particles using momentum and energy principles
  - Produced Sierpinski's Triangle and approximated Euler's Number using randomization
- **Games**
  - Created computer opponents that can play sub-optimally to mimic human performance
  - Recreated classic games including BMTron, Pong, and Tic-Tac-Toe

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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