# Adam Wang

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## Education

| **University of Washington, Seattle** | GPA: 3.90/4.0 | Expected Graduation 2023 |
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**Computer Science – Data Science Major at the Paul G. Allen School**

Relevant courses: Data Structures and Parallelism, Intro to Algorithms, Hardware/Software Interface, Software Design & Implementation, Systems Programming, Data Visualization, Intro to Data Management, Foundations of Computing I/II, Data Science Foundations, Calculus with Analytic Geometry III

**Proficient Languages:** Java     **Other:** Python, R, JavaScript, ReactJS, C, C++, Git, Gitlab

| Newport High School, Bellevue, WA | GPA: 3.96/4.0 | Graduated 2020 |
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## Projects

**Eve –** Azure Speech Dictation & TTS
- Implemented speech diction and TTS for my personal desktop assistant; can opening programs, performing web searches, switching windows, locking computer, and self-termination/restart

**Clothing Neural Network** – Machine Learning, TensorFlow
- Created a neural network that categorizes clothes; improved it to successfully process online images

**Facial Recognition & Foreground Processing** – Python OpenCV
- Experimented with lighting, angles, and obstruction for facial recognition and foreground detection capabilities

**Conway's Game of Life** – ReactJS
- Constructed the zero-player cellular automaton; explored the concept of Turing complete and undecidability

**Brownian Motion Simulation** – Python
- Implemented random motion of particles due to collisions with medium, used physics to create accurate collisions

**Arcade Games** – Python, ReactJS
- Recreated games like Mine Sweeper, BMTron, Pong, and Tic-Tac-Toe, with optional computer opponents
- Deployed static web applications on Azure

**Personal Website** – HTML, CSS, JavaScript
- Learned to build responsive webpages from scratch; contains on-page navigation, parallax, interactive dropdowns

## Experience

**Private Tutor**     Jun 2019 – Present
- Taught middle and high school students AP Calculus, AP Physics, AP Chemistry, and other courses
- Worked with parents to help students with long term academic planning and schedule management

**Freelance Photographer**     Apr 2019 – Present
- Photographed group and individual events including prom, senior portraits

**Tyee Middle School Math Club Coach**     Sep 2017– Jun 2020
- Taught competition math to a class of middle school students
- Gave weekly lectures and wrote problem sets to prepare them for regional and national competitions
- Communicated with school district staff and parents about logistics and events

**Abercrombie & Fitch Brand Representative**     Jul 2019 – Feb 2020
- Promoted sales, gained customer service, communication, and time management skills in a professional setting

**Newport High School Rocketry Club**     Sep 2018 – Jun 2020
- Leadership team: maintained inventory and ensured accessibility to crucial materials for meetings/launches
- Qualified and competed at The American Rocketry Challenge Nationals

**Evergreen Health Hospital Volunteer**     May 2019 – Dec 2019
- Transported patients, performed lab runs, assisted medical staff, guided visitors, operated the information desk