**Tianle(Skyler) Yan  
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**EDUCATION**

**University of Washington, Seattle, WA**

**Pre-science (Projected CS)  
Class of 2028 | GPA: 4.0**

**Liberty High School, Seattle, WA  
High School Diploma | Class of 2024 | GPA: 3.99**

**SUMMER PROGRAMS**

**Carleton College | Summer Liberal Arts Institute (July 2022)**

* **Developed games in Python, focused on AI and robotics.**

**Columbia University | Summer Immersion (July-August 2021)**

* **Explored physics concepts and conducted virtual experiments.**

**PROJECTS**

**MERN Full Stack AI Chatbot (Sep 2024 - Current)**

* **Currently developing an AI chatbot with a full functioning website and security checks. Working with Node JS, MongoDB, React, and Express**

**Quantum Machine Learning Researcher (Jul-Aug 2023)**

* **Authored and published a paper on quantum vs. classical machine learning.**

**Toxic Comment Classification (Jan-Mar 2023)**

* **Built a text classification model with 96% accuracy.**

**Imagine Cup Junior (Feb 2023 - 2024)**

* **Worked on an App to combat online hate speech by flagging potential content (video, meme, image, and text) on any website a user visits. The user gets to decide whether to proceed or not.**

**EXPERIENCE**

**Intern, MaxFlight (Aug 2022)**

* **Assisted in yaw, pitch, and row data collection for flight simulations.**
* **Worked with engineers to develop API to integrate physical flight simulator and Microsoft flight simulator software**

**COMMUNITY SERVICE**

**Volunteer, Little Masters Club (2020 - 2024)**

* **Created video reports and hosted events; 250+ volunteer hours.**

**Tutor (Sep 2021)**

* **Conducted English conversation classes for students in Wuhan during Covid. Also currently tutoring math for students on weekends.**

**LEADERSHIP & EXTRACURRICULAR**

**Founder & President, Physics Club (Oct 2022 - 2024)**

* **Established club for physics exploration and competition prep.**

**Vice President, Math Club (Sep 2020 - 2024)**

* **Organized practices and hosted regional competitions.**

**AWARDS**

* **President's Volunteer Service Award (2021)**
* **AP Scholar with Distinction (2022, 2023)**
* **STEM Student of the Month (2023)**

**SKILLS**

* **Languages: Chinese (Native), English**
* **Programming: Python, Java, C++, Tensorflow, Node JS, Typescript, PyTorch**
* **Tools: Adobe Photoshop, Illustrator**
* **Interests: Skiing, Tennis, Badminton**

**Relevent Courses**

* **AP Physics C Electricity & Magnetism (5)**
* **AP Physics C Mechanics (5)**
* **Linear Algebra (Bellevue College, 4.0)**
* **AP Calculus BC (5)**
* **AP Computer Science A (5)**