

# Victor Liu

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## Education

### Centennial High School - Junior

SEP 2021 - PRESENT | 4300 Centennial Ln, Ellicott City, MD 21042

- ❖ **Unweighted GPA: 3.91, Weighted GPA: 4.80, SAT: 1520**
- ❖ **Relevant Coursework:** AP Computer Science A, Advanced Object Oriented Design GT, AP Physics C: Mechanics, AP Calculus AB, AP Statistics

## Activities

- ❖ [QuHacks](#) Organizer - hosted Maryland's largest student-led hackathon
- ❖ [CHS Pyoneers](#) Vice President
- ❖ Cyber Security CTF team top 50
- ❖ [CAPA](#) Volunteer
- ❖ Recreation and Park Junior Tennis Development Junior Counselor - taught tennis to kids
- ❖ Competitive Coding Club Board
- ❖ Music Mentors - taught middle schoolers the violin
- ❖ CHS Math Club - competed in county wide math competitions

## Projects

- ❖ **Lingly**
  - Automatic real-time full-stack translation messaging app
  - Tech Stack: React, Tailwind, Firebase, Google Cloud API, ElevenLabs API
- ❖ **Unify**
  - College admissions chatbot developed with Azure OpenAI solutions
  - Tech Stack: React, MongoDB, Azure OpenAI, BeautifulSoup, custom REST API
- ❖ **Vike**
  - Used computer vision to simulate mouse and keyboard using only hand and paper
  - Tech Stack: OpenCV, Mediapipe, Python, React, Tailwind

## Skills

- ❖ Languages: Python, Java, C++, HTML, CSS, and JavaScript/React
- ❖ Cybersecurity: Cryptography and Web Exploitation
- ❖ Fluent in Chinese and English, working knowledge of Spanish

## Awards

- ❖ First place at [Hack the Nest](#) Hackathon
- ❖ [USA Computing Olympiad](#) Silver Division
- ❖ [American Computer Science League](#) team placed 1st in states and 20th nationally
- ❖ Fourth place at [Montgomery Blair Informatics Tournament](#)