

# Victor Liu

4119 Pemberton Court  
Ellicott City, MD 21043

(443) 983-3212  
[victorliu5000@gmail.com](mailto:victorliu5000@gmail.com)

## Education

### Centennial High School - Junior

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

- ❖ **Unweighted GPA: 3.87, Weighted GPA: 4.70, SAT: 1520**
- ❖ **Relevant Coursework:** AP Computer Science A, Advanced Object Oriented Design, AP Physics C: Mechanics, AP Calculus AB, AP Statistics

## Activities

- ❖ [QuHacks](#) Organizer - hosted Maryland's largest student-led hackathon
- ❖ [CHS Pyoneers](#) Education Committee - Taught local students Python fundamentals
- ❖ [Centennial Informatics Tournament](#) Informatics Team - Authored graph theory problems
- ❖ CHS Math Team - Competed in monthly Howard County Math League competitions
- ❖ Howard County Recreational Parks - Junior Counselor who taught tennis to children
- ❖ Howard County Miller Branch Library System - Volunteer tech support for seniors
- ❖ CHS Chamber Orchestra - Violin

## Projects

- ❖ **Lingly**
  - Automatic real-time full-stack translation messaging app
  - Tech Stack: React, Tailwind, Firebase, Google Cloud API, ElevenLabs API
- ❖ **Unifly**
  - 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

## Achievements

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