

Michael Song Li

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13703 Ginkgo Terrace, Rockville, MD 20850

Education

Thomas S. Wootton High School, Rockville, Maryland (Graduation: June 2023), *Junior*

GPA: 4.0/4.0; 4.8/5.0 (weighted)

ACT: 35; PSAT: 1490

Awards: AP Scholar with Distinction (2021), Physics Bowl First Place (Region 5, Div. 2, 2022), American Computer Science League Finals individual qualifier (2x Senior div.), USACO Silver

Relevant Coursework: Programming 3 (Adv. Data Structures & Algorithms), AP Computer Science A, AP Physics C, AP Calculus BC, AP Language, AP Physics 1, Hon. Biology, Hon. Chemistry

Experience

CodeDay DC, Washington, DC

Regional Manager/Sponsorship Team Lead, September 2021-Present

- Supervised an outreach team responsible for contacting and obtaining sponsorships; sent out over 100 weekly sponsorship emails
- Guided a marketing team through the process of contacting high schools and promoting the event through email and social media.

Kids for Code Non-Profit Organization (<https://kidsforcode.org/>), Virtual

President, August 2021-Present

- ✧ Lead and organize a team of 40+ teachers in preparation for live online tutoring sessions of 500+ students
- ✧ Oversaw the management of four programming language curriculums; teaching over 2000+ students from 7 countries and 35+ US states in multiple seasonal sessions

Projects

Using Image Recognition and Machine Learning to Recognize Leaf Species

AI4ALL Program at the University of Maryland, July 2021

- Designed programs using Python and TensorFlow to measure the accuracy of two machine learning models and collected data to identify the model with greater accuracy.
- Collaborated with a team of students to differentiate between 185 different species of leaves with machine learning

Extracurriculars

Game Development Club, Thomas S. Wootton High School

Co-Founder/President, September 2020-Present

- ✧ Organized bi-weekly club meetings with 30+ club members to develop game development skills in Unity and Scratch; created and revised original Unity technical guides for club distribution
- ✧ Mentored various club members in the basics of Unity, motivating them to pursue unique game styles

Robotics Club, Thomas S. Wootton High School

Vice President, May 2022-Present

- ✧ Developed club robotic projects and responded to questions that club members
- ✧ Provided structural guidance on robot designs; team programmer that develops scripts to run robot

Competitive Programming Club, Thomas S. Wootton High School

Vice President, September 2021-Present

- ✧ Taught fundamental computing topics necessary to compete in the national ACSL competition to club members, e.g. Number systems, recursion, Boolean algebra.
- ✧ Prepared and distributed materials to prepare for the national USACO competition; USACO Silver

Skills

Computer: Proficient: Python, Java, JavaScript, Html/CSS, Familiar: C++, C

Technologies & Software: ReactJS, Chakra UI, Firebase, MongoDB, Socket.io, Next.js, Unity, Visual Studio Code