LEYANG ZHANG

EDUCATION

Georgetown Middle-High School Georgetown, MA

- GPA: 4.15/4.0 UW, 5.20 W 2027 (expected graduation)
- Ranked 1st in graduating class

ACADEMICS

- AP Computer Science A - 5 (completed through an online course)
- AP Calculus AB - 5 (primarily independent study)
- AP Physics 1 - 5 (self-studied)
- AP Biology - 5
- AP Mandarin - 5
- SAT: 1520 (780 Math | 740 English)

TECHNICAL SKILLS

- **Languages:** Python, Java, TypeScript, JavaScript, HTML, CSS, SQL
- **Frameworks & Tools:** FastAPI, React, PostgreSQL, TensorFlow, Git
- **Core Competencies:** Object-Oriented Programming, Algorithms & Data Structures, Full-Stack Web Development, AI/LLM Integration, Introductory Machine Learning, Cybersecurity Fundamentals

RELATED COURSEWORK

Beaver Works Summer Institute (BWSI) — Many Interesting Things! Spring Program

Massachusetts Institute of Technology Spring 2025

- Completed technical coursework in Python programming, artificial intelligence and machine learning with TensorFlow, web development, and microcontroller programming.
- Developed practical programming and problem-solving skills through hands-on exercises involving software development, machine learning, and hardware integration.
- Explored applications of computer science and engineering through project-based learning and independent technical challenges.

Beaver Works Summer Institute (BWSI) — Python Core | Online Coursework

Massachusetts Institute of Technology Spring 2025

- Completed Python programming coursework emphasizing algorithmic thinking, computational problem-solving, and fundamental programming principles.
- Studied data structures, conditional logic, iteration, and algorithm development, applying foundational concepts to problems relevant to data science and machine learning.

MIT Beaver Works Summer Institute (BWSI) — Cyber Operations | Online Coursework

Massachusetts Institute of Technology Spring 2025

- Completed cybersecurity coursework covering computer systems, network administration, cryptography, and foundational cybersecurity principles.
- Studied Linux command-line tools, Python programming, and the technical foundations of computer and network security.

TECHNOLOGY EXPERIENCE

ComsOS Georgetown, MA

Founder & Lead Developer Jan 2026 - Present

- Founded ComsOS, an AI-powered learning platform that assesses student reasoning, identifies knowledge gaps, and delivers personalized feedback.
- Built a full-stack application using Python (FastAPI), React, TypeScript, PostgreSQL, and AI models to support interactive assessments.
- Developed an algebra diagnostic and learning reports; designed a concept-mapping framework connecting academic topics, questions, and student understanding.

TEACHING & SERVICE

Private Piano Instructor Georgetown, MA

Self-Employed Oct 2025 - Present

- Founded and operate an independent piano teaching studio, providing individualized weekly instruction to 4–6 students across different ages and skill levels.
- Develop structured lesson plans, break down complex technical concepts, and adapt teaching methods to accommodate different learning styles.
- Assess student progress, provide constructive feedback, and communicate regularly with parents to support continued development.

Scouting America Troop 50 Georgetown, MA

Eagle Scout / Senior Patrol Leader Mar 2021 - Present

- Elected Senior Patrol Leader for three consecutive years, leading troop meetings and mentoring younger Scouts through hands-on instruction and leadership development.
- Taught foundational Scouting skills to younger members, adapting explanations and demonstrations to varying levels of experience.
- Led an Eagle Scout service project involving the inspection and maintenance of 116 school instruments, coordinating volunteers and delegating tasks.