Maxwell Zetina-Jimenez

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Education

Massachusetts Institute of Technology (MIT)   **Cambridge, MA**
Candidate for Bachelor of Science in Computer Science and Engineering   June 2025
GPA: N/A
Relevant Coursework: 18.02 Multivariable Calculus, 6.0001 Intro to Computer Science and Python, 6.009 Fundamentals of Programming

South Mecklenburg High School   **Charlotte, NC**
High School Diploma
GPA: 4.6774   June 2021
Relevant Coursework: AP Calculus AB, AP Computer Science A

Relevant Experience and Projects

Google CSSI: Online   **Virtual**
Participant   July 2021 – August 2021
- Completed an introductory project-based p5 JavaScript curriculum taught by Google engineers
- Designed and built a fighter game's (final project) basic overall user interface
- Developed a motion-predicting bot to track player in single-player game mode
- Delivered a collaborative final project presentation that included a live demonstration to Google mentors and CSSI community
- Final Project Links: Code and Gameplay

Summer Ventures in Science and Mathematics   **Virtual**
Summer Researcher   June 2020 – July 2020
- Participated in a state summer research program under East Carolina University's Physics Department
- Conducted virtual simulations of wind turbines to collect and analyze data on airfoil drag and energy production efficiency
- Used Python Matplotlib to input and graph data collected through research for final research paper
- Authored a research paper and carried out a live presentation to ECU Physics Dept.

Extracurricular Activities

Hispanic Organization Promoting Education   **Charlotte, NC**
President   September 2020 – June 2021
- Founded 3rd NC chapter to mentor and tutor 15 English Language Learners, improving their grades by 20% on average
- Managed executive team to plan 10+ community service events
- Recorded 25+ video lessons across subjects (math, physics, computer science) and created a Google Site to publish them
- Guided peers through the college application timeline, connected them with various schooling options (trade school and Marine Corps), and promoted scholarship opportunities

Sabre Robotics Team   **Charlotte, NC**
Coding Team Leader   September 2017 – June 2021
- Led and taught a team of 7 to code a VEX Robot for the N.C. Technology Student Association state competition
- Coded autonomous and remote-controlled functions of robot: drivetrain movement, claw for cone stacking, ejecting defensive wall
- Language: RobotC

Accomplishments, Honors, and Awards

North Carolina Scholar   May 2021
- Awarded to high school seniors who have excelled in an academically rigorous high school program

National Merit Scholar   March 2021
- Awarded to academically talented students (2,500 nationwide) judged to have the strongest achievements, skills, and potential in each state based on a student's PSAT score, academic record, activities, leadership, and essay

National Hispanic Recognition Scholar   September 2020
- Awarded to outstanding high school students who take the PSAT, score in the top 10% by state, and identify as Hispanic

Skills

Software: Python (Proficient), Java (Basic), p5 JavaScript (Basic), C (Basic) | **Fluent in:** English, French, Spanish
Interests: Robotics, Electronics/Wearables, Product design, Foreign Languages