Emil Jiang(He/Him)

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Ellicott City, Maryland   301-356-8087

EDUCATION

Centennial High School, Ellicott City, Maryland   2019 - Present
Expected Graduation May 2023

- **GPA(unweighted,weighted):** 4.0/4.0, 4.93/ 5.0
- **Relevant Coursework:** Advanced Data Structures, Advanced Object Oriented Design, PLTW Digital Electronics, Calculus AB, AP Computer Science A, AP Physics, PLTW POE

EXTRACURRICULAR ACTIVITIES

Johns Hopkins University Applied Physics Laboratory Aspire Internship   2020 - 2022
Intern

- Constructed a self driving car and developed the controlling application in python and matlab and ran it in a raspberry pi to recognize the video captured by the camera, assess the car position and control the movement of the car
- Link to the source code: https://github.com/EmilJiang/selfdriving_car

Centennial CyberPatriot   2020 - Present
Board Member

- Managed teams and competed in cybersecurity competitions: securing Windows servers and Cisco challenges.

Centennial High School FTC Robotics   2020 - Present

- Coded autonomous paths and PID controllers to move a robot to accomplish different tasks for competitions achieving state level.

Centennial High School Python Pyoneers   2020 - Present
Education and Tournament Committee

- Taught python classes to high school and middle school students
- Organized and ran multiple regional coding competitions for students of all ages.

Jumbo Jumbo   2021 - Present
Barista

- Take orders, prepare drinks, sanitize seating areas, and deal with any customer requests and complaints.

Other Teaching Experiences   2017 - Present

- Youth Building Bridges - developed 8 full English lesson plans as a group and improved 32 others
- Cathay School - lead Robotics, Speech and Debate, and Art classes
- Connect the Dots - taught python fundamentals to beginners in a virtual environment
- Camp IO - taught Science and Yoga
- Private Tutor - math, english, and chess

Viola   2013 - Present

- Senior and Junior Maryland All-state
- Baltimore Youth Symphony Orchestra
- Howard County High School, Middle School, Elementary School GT Orchestra

Soccer   2010 - 2022

- High School Varsity and JV team
- SAC club travel teams

SKILLS

- Proficient in Python, Java, and C++
- Knowledge of HTML, CSS, Javascript, and R
- Fluent in Chinese and intermediate proficiency in Spanish

AWARDS & HONORS

- Platinum level in CyberPatriot
- Second Place Quhacks 2020
- USACO Silver
- First place Cint coding competition
- First Course of Google IT automation with Python Professional Certificate
- 1st place at viola Chamber Music Competition, 2021, 2020