

Emil Jiang

emil@jje.com - eyj7@cornell.edu - emiljiang.com - 3013568087

EDUCATION

- Cornell University, Ithaca, New York** 2023 - 2027
Bachelor of Arts, Computer Science
- **Relevant Coursework:** Object Oriented Programming and Data Structures, Linear Algebra
- Centennial High School, Ellicott City, Maryland** 2019 - 2023
- **GPA(unweighted,weighted):** 4.0/4.0, 4.93/5.0
 - **Relevant Coursework:** Advanced Data Structures, Advanced Object Oriented Design, PLTW EDD

WORK EXPERIENCE

- Johns Hopkins General Hospital** - JHSJP Intern Summer 2023
- Assisted radiology department in performing a wide range of diagnostic imaging procedures for CT scan
 - Positioned patients correctly and ensured their comfort and safety during imaging procedures
 - Collaborated closely with the radiology members to ensure efficient workflow and timely patient care
- Johns Hopkins University Applied Physics Laboratory** - ASPIRE Intern Summer 2021 - Spring 2022
- Researched latest advancements in autonomous driving technology
 - Constructed a self driving car with the controlling application in python and matlab
 - Ran the application on a raspberry pi to recognize the video captured by the camera, assess the car position, and control the movement of the car
 - Worked with mentor to write a scientific paper documenting my research and experience
- Jumbo Jumbo** - Barista Fall 2021 - Summer 2023
- Took orders, prepared drinks, sanitized seating areas, and dealt with any customer requests and complaints

PROJECTS

- ASL Soundboard and Translation**
- Developed a soundboard that has a 65% satisfaction rate which allows people with hearing loss to communicate with others
 - Developed an IOS app paired with the hardware which allows back and forth communication as well as Speech to Text
 - Beta tested an ASL alphabet translator and got it to 96% accurate with images and 52% accurate with live video
- Connect Four AI**
- Coded a Connect four game from scratch with multiple customizations and a computer AI which has a 95% win rate

EXTRACURRICULAR

- Centennial CyberPatriot** 2020 - 2023
- Managed 2 teams and competed in cybersecurity competitions: secured Windows servers and completed Cisco challenges
- FTC Robotics** 2020 - 2023
- Coded autonomous paths and PID controllers to move a robot to accomplish different tasks for competitions achieving state level
- Python Pyoneers** 2020 - 2023
- Taught python classes to high school and middle school students
 - Organized and ran multiple regional coding competitions for students of all ages
- Other Teaching Experiences** 2017 - 2023
- 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 - Instructed Science and Yoga
 - Private Tutor - Tutored Math, English, and Chess

SKILLS

- Python, Java, C++, HTML, CSS, Javascript, Swift, Microsoft Office, Git, R
- Fluent in Chinese and intermediate proficiency in Spanish
- Viola(Senior and Junior Maryland All-state, Baltimore Youth Symphony Orchestra, and Howard County GT Orchestra)
- Soccer(High School Varsity, SAC club travel teams)

AWARDS & HONORS

- Platinum Level in Cyberpatriot
- First place Cint coding competition
- Second Place Quhacks
- Google IT automation with Python Professional Certificate