Ethan Yun

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Website: https://moogloof.com

Skills

- Programming: Python, C/C++, Java, HTML/CSS, JavaScript, x86/ARM Assembly
- Tools: Git, NumPy, Flask, TensorFlow, QEMU, GCC, Clang, NASM, LLVM, Django, Linux, MacOS

Education

Stanford Online High School
2018 – 2024
Relevant Courses: Multivariable Calculus, Linear Algebra, Modern Physics, Discrete Mathematics, Data Structures and Algorithms, Lattice Point Geometry, AP Computer Science

Activities

Software Lead of FTC Robotics Team
2022 – Present
Led the development of movement models, such as PID into the team robot. Was able to increase the accuracy in the motion of the robot.

Founder/Leader of Machine Learning Club
2018 – Present
Led discussions and projects related to machine learning. Created multiple projects with members related to image generation and text processing.

Co-Founder/CTO of Groupters, Inc.
2019 – 2021
Developed social media web app for students. Managed web servers and databases. Launched beta of app to select group of testers.

COSMOS
Summer 2022
Studied IoT development under the mentorship of UC Davis professors. Developed and demonstrated IoT product with peers to aid in general inventory tracking by weight.

Objective

Persistent high school student looking to work as a software engineering intern. Experienced in applying known skills to projects, and excited to learn new skills and apply them to problems in the industry.

Projects

loofOS

- x86 operating system written in C and assembly
- Custom BIOS bootloader, task switching, user processes, virtual memory
- https://github.com/moogloof/loofOS

Analysis of Autism Spectrum Disorder and Metrics of Eye Movement

- Paper analyzing eye movement in children for diagnosis of autism spectrum disorder
- Presented and published at the IEOM Monterrey 2021 conference
- http://ieomsociety.org/proceedings/2021monterrey/72.pdf

moogloof.com

- Personal blog/portfolio with Flask that is portable to any system
- https://github.com/moogloof/moogloof.com

References

Dana Paquin, PhD
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