

Kevin Durand

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[Github] <https://github.com/kd993595>

Skills

Python, Golang, C#, Unity, SQL, Javascript, Flutter (dart), Git, fluent in English/Spanish.

Experience

September 2022 - Present

Columbia Space Initiative – *member* ([CSI](#))

- AQUAS mission - developing an autonomous, unmanned sampling vehicle to monitor and mitigate outbreaks of algae blooms in water bodies across New York
- Using YOLOv8 to detect animals that could collide with boat
- Managing storage for data collected from sensors on boat

September 2022 - Present

Columbia Robotics – *member* ([CURC](#))

- Pacbot Challenge - designing autonomous robot to navigate maze using NEAT-ai learning
- using cameras to sense direction and obstacles, operate well enough to collect “pellets” throughout the course for points, and avoid the classic angry ghosts
- Using machine learning to control robot path in real-time

September 2021- February 2022

Lemelson MIT – *competitor* ([lemelson-mit](#))

- MIT competition for developing prototype invention
- Developed Multi-Unit Sensor for Climate and Ecological monitoring easily accessible for public
- Scalable backend and user-friendly frontend for users to hold their sensors data

Education

September 2022 - Present

Columbia University, NYC

- Sophomore currently studying computer science.

K-12, graduate 2022

Brentwood High School

- 4.0 GPA, Valedictorian