

Ari Mirsky

914-844-6779 | arimirsky@gmail.com | [linkedin.com/in/AriMirsky](https://www.linkedin.com/in/AriMirsky) | github.com/AriMirsky

OBJECTIVE

I want to do stuff

EDUCATION

Cornell University

Bachelor of Science in Computer Science, In Progress (Anticipated June 2025)

GPA: 4.23/4

Ithaca, NY

Aug. 2021 – Present

Briarcliff High School

Regents Diploma with Honors and Distinction in Mathematics

GPA: 101.36/100

Briarcliff Manor, NY

Sep. 2017 – June 2021

RELEVANT COURSES

- Object Oriented Programming and Data Structures
- Discrete Structures
- Linear Algebra for Engineers
- AP Computer Science A
- Multivariable Calculus for Engineers
- AP Mathematics: Calculus BC

EXPERIENCE

Cornell Autonomous Bicycle Navigation Developer

Cornell University

Nov. 2021 – Present

Ithaca, NY

- Contributed to a repository with 25k+ lines of code
- Worked with a team to create path following and collision avoidance algorithms
- Integrated pathing software with bicycle hardware using ROS

Research Assistant

Northwestern University

Sep. 2018 – June 2020

Evanston, IL

- Independently designed and conducted experiments about properties of organic electrochemical transistors
- Created documentation for newly constructed apparatuses
- Wrote 12 page research paper summarizing findings

PROJECTS

Discord Bot | *Python*

June 2021 – July 2021

- Created a discord bot that responded to messages sent in selected discord servers
- Asynchronously responded to user input
- Integrated with open source discord.py
- Hosted 24/7 on servers with 99.98% uptime

Inverted Pendulum Game | *Java, Git, Swing*

Dec. 2021 – Present

- Created a game about balancing an inverted pendulum
- Made a custom user interface using swing
- Implemented adjustable settings for difficulty

TECHNICAL SKILLS

Languages: Java, Python, Anaconda, JavaScript, HTML/CSS, R, OCaml

Frameworks: Swing, FastAPI, Discord.py, ROS

Developer Tools: Git, Visual Studio Code, Eclipse, BlueJ, Jupyter Notebook

Libraries: NumPy, Matplotlib