

ARI MIRSKY

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OBJECTIVE

An internship which will allow me to utilize my problem solving skills and attention to detail to solve computer science problems.

EDUCATION

Cornell University

John McMullen Dean's Scholar

B.S. 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
- Multivariable Calculus for Engineers
- AP Computer Science A
- AP Mathematics: Calculus BC

EXPERIENCE

Navigation Developer, Cornell Autonomous Bicycle

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 bicycle hardware with pathing software using ROS

Research Assistant, Rivnay Research Group

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, Discord.py

June 2021 – July 2021

- Created a discord bot that responded to messages sent in selected discord servers
- The bot asynchronously responded to user input
- Integrated with open source discord.py

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 user-adjustable difficulty settings

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