

Ari Mirsky

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OBJECTIVE

I want to do stuff

EDUCATION

Cornell University

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

GPA: 4. Something/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 collision avoidance algorithms
- Explored ways to visualize GitHub collaboration in a classroom setting

Information Technology Support Specialist

Southwestern University

Sep. 2018 – Present

Georgetown, TX

- Communicate with managers to set up campus computers used on campus
- Assess and troubleshoot computer problems brought by students, faculty and staff
- Maintain upkeep of computers, classroom equipment, and 200 printers across campus

Artificial Intelligence Research Assistant

Southwestern University

May 2019 – July 2019

Georgetown, TX

- Explored methods to generate video game dungeons based off of *The Legend of Zelda*
- Developed a game in Java to test the generated dungeons
- Contributed 50K+ lines of code to an established codebase via Git
- Conducted a human subject study to determine which video game dungeon generation technique is enjoyable
- Wrote an 8-page paper and gave multiple presentations on-campus
- Presented virtually to the World Conference on Computational Intelligence

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

Advent of Code 2021 | *Java, Git, Python, FastAPI*

Dec. 2021 – Present

- Completed all of the challenges from Advent of Code
- Automated downloading the inputs with FastAPI
- Total execution time of TBD seconds

TECHNICAL SKILLS

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

Frameworks: Swing, FastAPI

Developer Tools: Git, Visual Studio Code, Eclipse, BlueJ, Anaconda

Libraries: pandas, NumPy, Matplotlib