Ari Mirsky

914-844-6779 | arimirsky@gmail.com | linkedin.com/in/AriMirsky | github.com/AriMirsky

OBJECTIVE

I want to do stuff

EDUCATION

Cornell University   Ithaca, NY
Bachelor of Science in Computer Science, In Progress (Anticipated June 2025) GPA: 4.Something Aug. 2021 – Present

Briarcliff High School   Briarcliff Manor, NY
Sep. 2017 – June 2021

EXPERIENCE

Undergraduate Research Assistant   June 2020 – Present
Texas A&M University   *College Station, TX*
- Developed a REST API using FastAPI and PostgreSQL to store data from learning management systems
- Developed a full-stack web application using Flask, React, PostgreSQL and Docker to analyze GitHub data
- Explored ways to visualize GitHub collaboration in a classroom setting

Information Technology Support Specialist   Sep. 2018 – Present
Southwestern University   *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   May 2019 – July 2019
Southwestern University   *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