Anna Gerchanovsky

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Education

M.S. in Electrical and Computer Engineering   **Expected August 2023 – May 2024**
Carnegie Mellon University   *Pittsburgh, PA*

B.S. in Electrical and Computer Engineering   **August 2019 – May 2023**
Carnegie Mellon University   *Pittsburgh, PA*
GPA: 3.66/4.00, Minor in Computer Science

Los Altos High School   **August 2015 – May 2019**

Experience

Research Intern   **May 2023 – Present**
CyLab   *Pittsburgh, PA*
- Analyze success of and recreate results of papers focused on adversarial machine learning.
- Develop black box evasion attacks on neural network based classifiers.

Introduction to Computer Security Teaching Assistant   **Jan 2022 – Present**
Carnegie Mellon University Department of Electrical and Computer Engineering   *Pittsburgh, PA*
- Review, organize, and assist in designing coursework, including exams, homework, bootcamps, and recitations.
- Facilitate in class student activities and hold weekly office hours.

Software Engineering Intern   **May 2022 – August 2022**
Meta   *Seattle, WA*
- Set up error and status logging for the general machine learning model processing team.
- Wrote and tested object oriented code in Python.
- Improved test coverage for machine learning pipelines.

Automation Engineering Intern   **May 2021 – August 2021**
Nucor Tubular Products   *Louisville, KY*
- Implemented a new data acquisition system and integrated it with the previous setup.
- Documented changes made and communicating them to the team.
- Executed daily report design and generation projects for several areas of the plant in order to better analyze and improve on past performance.

Projects

PyPi face–recognition Evasion: Evaluate and analyze raw accuracy of facial recognition on raw and edited datasets.
Storytime Video Generation: Fine tuned GPT3 models to generate and film a specific genre of YouTube video.
Personal Art Website: Personal hobby website built on Django
COVID Innovation Project: Proposed government aid screening website to assist those affected by COVID.

Skills

Programming Languages: Python, C, C++, C0, Swift, SML, JavaScript, CSS
Software: Xcode, SystemVerilog, Matlab, Iba Suite