

# Li Ma

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## Education

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### B.Sc. Computer Science

Aug 2016 - Dec 2020

*The State University of New York at Albany*

### Family Leave

Feb 2021 – Jun 2023

### M.Sc. Cybersecurity

Sep 2023 – now

*New York Institute of Technology - Vancouver Campus*

## Technical Skills

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**Programming Languages:** Python, Java, HTML/CSS,

**Framework & Databas:** Spring Framework, OpenCV, Pytorch, React

**Tools & Platforms:** Eclips, PyCharm CE, Linux Command-Line

## Projects

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### Maze Generation and Solver

Sep 2020 — Nov 2020

- Utilized DFS and BFS to block a maze and applied machine learning to observe the path from entrance to exit in the maze.
- Observed AI improves the eciency of finding the shortest path in the maze.

### Computer Vision for Blind

Sep 2020 — Nov 2020

- Implemented advanced image captioning techniques utilizing deep learning models to accurately describe the content of images in natural language, enhancing the user experience for blind individuals. (image captioning)
- Engineered a robust text extraction feature using OpenCV-python, incorporating Optical Character Recognition (OCR) technology to convert text from various image formats into audible speech, facilitating access to printed information.

### SEED Labs

Sep 2023 — Nov 2023

- Completed a series of SEED labs as part of the cybersecurity curriculum, gaining practical experience in various aspects of computer security.
- Engaged in hands-on projects such as exploit a buffer overflow vulnerability and environment variable and Set-UID program lab, developing skills in network security, cryptography, and system vulnerabilities.