

# Jonathan Nolan

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GitHub Link: <https://github.com/jnolan10>

## CURRENT ADDRESS

6424 Grand Avenue, Apt 3R,  
Maspeth New York 11378

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## EDUCATION:

SUNY Farmingdale State College  
Bachelor of Science in Computer Science

Aug 2021 – Aug 2023

## TECHNICAL SKILLS:

- HTML & CSS, Python, JavaScript, PHP
- Java, C++, C
- SQL, Microsoft SQL Server
- Eclipse, VS Code, NetBeans, PyCharm, IntelliJ
- JavaFX, FXML, SceneBuilder
- Linux, MacOS, Windows 7, Windows 10, Windows 11
- Computer Hardware Skills
- PowerShell, Bash, Git
- Firestore Database Tools

## PROJECTS / RESEARCH:

### PetcAir 2023 Hack@CEWIT Project

Mar 2023

- Developed a prompt engineering-based AI chat system aimed to assist pet owners for rapid animal care advice.
- Fine-tuned an AI chat model to produce responses more relevant to the application.
- Worked with web dev languages like HTML, CSS, and PHP; Contributed to the front-end design of the website.
- Project URL: <https://petcaree.epizy.com/p/home?i=1>

### StreamFox Senior Development Project

May 2023

- Designed a Streaming Application that consolidated content from both Twitch and YouTube into a single App.
- Used API data to display content and recommended videos relevant to user, Specialized in Frontend Dev Work.
- Added watch time limit and per video comment data relevant to each user stored on a Realtime database.
- GitHub URL: <https://github.com/MaazHussaini99/streamFox>

### AI Image Generation Independent Research

Dec 2022

- Conducted research into AI Image Generation and subsequent algorithms and tools.
- Produced a trained Stable Diffusion model to generate accurate recreations of my likeness.
- Actively pursuing publication for a paper written on these findings, and their effect on art & artists.

### Brookhaven National Laboratory Scientific Computing Seminar

Sep 2018 – May 2019

- Attended an after-school seminar taught by a Brookhaven National Laboratory Scientist.
- Worked with Linux OS through virtual machines to program and execute C++ applications & algorithms.
- Applied programming to scientific problems through optimization and real-world applications.

## RELEVANT COURSES:

- AI & Machine Learning
- Advanced Computer Programming
- Computer Architecture & Organization
- Computer Networking
- Data Management & Database Administration
- Data Structures & Algorithms I & II
- Human Computer Interaction
- Information Security
- Operating Systems
- Software Engineering

## EXPERIENCE:

### Butera's Restaurant of Sayville, Sayville, NY – Server

Apr 2018 – Sep 2022

- Managed kitchen output and served customers in high stress environments.
- Honed skills of collaboration and teamwork to deal with high volumes of customers, learned the importance of proper communication and adaptability in a dynamic environment.
- Demonstrated proficiency in customer service and problem solving to ensure individuals were serviced promptly

## AWARDS:

- Farmingdale State College Dean's List.

2021