Yiyuan (Steve) Wufeng

Machine Learning Engineer and Researcher seeking to expand upon experience in industry for Summer and/or Fall 2023.

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Experiences

Tufts University, Medford MA — Research Intern
MATLAB | C | Morpho-Lang | Machine Learning | Research | Github
May 2022 - Jul 2022
· Discovered and optimized properties of new polymer with advanced filtration potential using gradient descent algorithm.
· Implemented class structure with documentation using programing language Morpho for wetting experiment energy models.
· Solved several compilers and modular problems in the project Morpho-Lang.

Metropolitan Transportation Authority

- Bus Company JFK Depot, Queens NY — Manager Training
VBA | ATS | Managing | Excel | Microsoft Office
Summer Job: Jul2022 - Aug 2022
· Create a statistical report of groups' and individuals' performance.
· Assisted in managing work orders, payroll, and shift schedules in ATS.
· Populated letters and forms to be mailed or emailed using VBA.

- Train Signal, Queens NY — Office Assistance
Python | Excel | Documentation
Summer Job: Jun 2021 - Aug 2021
· Analyzed and processed historical train data with python.
· Engaged in direct observation and minor practice of automation signal system and mechanics of the trains.

Projects

Dream Research - Neurotechnology Team
Python | MatplotLib | PyTorch | Research | EEG
github.com/chanelfcheng/eeg-nn   Sep 2022-Present
· Collaborated with a team to perform a research study focusing on recreation of dreams using neurotechnology.

KittyFan POV display— Personal
Python | Raspberry Pi | KiCad | Fusion 360 | Circuit design | MatplotLib
github.com/SteveWufeng/KittyFan   Sep 2021- May 2022
· Developed a hologram-like persistence of vision display consists of LEDs strips, 3D printed supports, and a Raspberry Pi.
· Applied calculus II knowledge to solve for mathematical

Brickhack 8 Project — Team With Other Majors
Python | Pygame | Github Work Flow | Game Development | Team Work
github.com/seabass586/brickcityshowdown   Mar 2022-Mar 2022
· Developed an RPG game with Python during Hackathon.
· Recreated RIT theme Under-Tale-like RPG game.

Automatic Image Scraping Program — Personal
Python | BeautifulSoup4 | Requests | RegEx | HTML
github.com/SteveWufeng/Konachan-Scraping   Mar 2021-April 2021
· Developed a web scraping program that finds and collects all images on websites and stores them in the local database.

Education

Rochester Institute of Technology
Bachelor of Science in Computer Science
Aug 2021 - 2025   Cum. GPA: 3.89

Relevant Courses:
Mechanics of Programming
Intro to Computer Science Theory
Software Dev & Problem Solving I & II
Linear Algebra
Project-Based Calculus I & II
Discrete Mathematics

Skills

Proficient Skills
Python | Java | C | Morpho-lang
Research Cycle | MATLAB
3D Printing | Fusion 360
Visual Studio Code | Vim | Git
Test-Driven-Development
Proxmox | Virtual Machines
Linux | Windows

Experienced Skills
C++ | SQL | VBA | OpenCV
Requests | BeautifulSoup4

Outstanding Awards

STEM Problem-Solving Award
Feb 2021
· Outstanding performance and interests in Math and Science courses granted by EWSIS.

Extracurricular

CSH (Computer Science Housing)
Aug 2021-Present
· Community interested in computer science theory.
· Hosted several technical seminars and shared knowledge with others.

RIT Artificial Intelligence
Aug 2022-Present
· Community of enthusiasts and developers of artificial intelligence applications.
· Explored active research areas with students and collaborated on group projects involving artificial intelligence.