

# Yiyuan (Steve) Wufeng

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## Experiences

### RIT CAIR Lab, Rochester NY — Research Assistant(RA)

JavaScript | Google Cloud | Google API | NodeJS | Vue | Git  
Sep 2023 - Present

- Developed a real-time transcription web service with prosody and emotion analysis data to assist deaf/hard-of-hearing users.
- Design and run experiments comparing gaze data with traditional & affective captioning systems.
- Analyze eye-tracker data and write a paper for the ASSETS conference.

### RIT Cybersecurity Institute, Rochester NY — RA

MATLAB | Python | Data Science | C++ | Git | Excel | NS-3  
Sep 2022 - Jul 2023

- Performed data analysis and processing on MITRE alerts.
- Worked on developing Cyber-Physical simulation with NS-3.
- Learned about satellite motion and communication systems.
- Researched on satellite communication protocols and capabilities.

### Tufts University, Medford MA — Research Intern

MATLAB | C | C++ | Morpho-Lang | Machine Learning | Git  
May 2022 - Jul 2022

- Optimized properties of new polymer using gradient descent algorithm.
- Created poster for presenting to the research experts in material science.
- Implemented class structure with documentation for the language.
- Solved compilers and modular problems in the project Morpho-Lang.

## Projects

### 4G LTE Drone — Personal

Python | Raspberry Pi | 3D print | Bash | AduPilot | PixHawk | Sixfab  
Aug 2023 - Present

- Building a fully programmable 4G LTE drone with internet access.
- Communication with server for image segmentation and navigation.

### E-Store Web Service — Course Project

Java | JavaScript | Angular JS | Springboot | HTML | Git | Scrum  
Aug 2023 - Dec 2023

- Developed a web service as a full-stack developer in a team of 4.
- Focused back-end REST API development and Angular front-end.
- Practiced Scrum team management and project planning.

### KittyFan POV display — Personal

Python | Raspberry Pi | KiCad | Fusion 360 | Circuit design | Matplotlib  
Sep 2021 - May 2022

- Developed a hologram-like persistence of vision display consisting of LEDs strips, 3D printed supports, and a Raspberry Pi.
- Applied calculus II knowledge to solve mathematical problems.

## Education

### Rochester Institute of Technology

Bachelor of Science in Computer Science  
Aug 2021 - Dec 2025 Cum. GPA: 3.79  
4th Year Standing

#### Relevant Courses:

Concepts of Distributed & Parallel System  
Analysis of Algorithm  
Intro to Software Engineering  
Intro to Artificial Intelligence  
Mechanics of Programming  
Concepts of Computer Systems  
Differential Equation

## Skills

Python | Java | C# | Angular JS | Node JS  
JavaScript | HTML | Vue JS | MATLAB  
3D Printing | Fusion 360 | Springboot  
Visual Studio Code | Vim | Git  
Test-Driven-Development  
Proxmox | Virtual Machines  
Linux | Windows | Bash

## Extracurricular

### CSH (Computer Science House)

Aug 2021 - Present

- Community interested in computer science theory and DevOps.
- Hosted several technical seminars and workshops to spread knowledge.

### RIT Artificial Intelligence

Aug 2022 - Present

- Community of enthusiasts and developers of AI applications.
- Explored active research areas with students and collaborated on group projects involving artificial intelligence.

## Interests

Biking | Hiking | Jogging | Sushi  
Artificial Intelligence | 3D Print  
Accessibility Technology | Explore  
Logic Puzzles & Games | Hardware