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| Shengkai Xu  Sam | 14008 Labeau Ave Charlotte, North Carolina , 28277    shengkai.x.sam@gmail.com    +1-734-731-6398  Github: www.github.com/ric3b0wl |

As a Chinese international student with 10+ years of US residency, I possess a strong background in engineering and a passion for exploring and implementing innovative technologies. With excellent analytical skills and attention to detail, I strive to remain up-to-date with the latest advancements in the field and leverage these to make a positive impact through my work.

## Professional Experience

### Reasearch Lab Assistant*Transformative Computer Systems and Architecture Research Lab, Charlotte, North Carolina Area | 2022 - Present*

Developed and researched an AI pipeline for civilian security and public safety systems, specifically focused on video processing and anomaly action detection.

TeCSAR is a UNC Charlotte research lab led by Dr. Hamed Tabkhi. Lab uses machine learning, deep learning, and data analytics to improve community safety, health, and well-being.

### Embedded Firmware Engineer*Oxit, Charlotte, North Carolina, United States | 2021 - Present*

Responsible for researching and developing tools to assist in various projects. One of my major contributions was designing module libraries that streamlined embedded applications for different chipsets.

Oxit is an engineering company specializing in low-power, long-range RF communication technology for IoT applications, including LoRa.

### OneIT Tech Analyst*University of North Carolina at Charlotte, Charlotte, North Carolina, United States | 2020 - 2021*

Provided university IT support and resolved technical issues for faculty and staff via phone, email, and in-person support.

## Education

### Master's degree in Computer Engineering*University of North Carolina at Charlotte at Charlotte, NC | 2022 - Present*

Courses Highlights:

- Real-Time Machine learning

- Machine learning for Internet of Things

### Bachelor's degree in Computer Engineering concentration of Machine Learning *University of North Carolina at Charlotte at Charlotte, NC | 2018 - 2022*

## Key Skills

* PCB Board Design
* Soildworks
* 3D Printing
* Python
* PyTorch
* Embedded C
* Data Analysis
* Linux/Debian Proficiency