

# Mia Kelly

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## SUMMARY

I am a third year computer science major with a cyber security minor. I have experience with backend web development, neural networks, and the ROS library through the University's enterprise program. As the DevOps team lead of the Networking and Computing Student Association, I have exposure to system administration. I am looking for internship opportunities to continue learning and gaining experience.

## EDUCATION

Michigan Technological University (MTU) | Houghton, MI

Expected 2024

BS in Computer Science

Minor in Cyber Security

GPA 3.0

## SKILLS

- Java
- Python
- C
- JavaScript, React.js, Node.js
- MySQL
- Virtualization (VMware)
- Git, GitHub
- Ubuntu, RedHat, Kali
- Jira, Confluence

## WORK EXPERIENCE

### **IT Technician**

Nov. 2020 - April 2022

Michigan Technological University

- Hands-on experience with hardware from Dell, Lenovo, HP, Mac, etc.
- Performed troubleshooting for software issues on Windows, Mac, and RedHat operating systems.
- Provided on-site support for faculty with network, software, and hardware issues.

## PROJECTS

### **AI Cell Membrane Detection**

Sept. 2021 – Present

IT Oxygen Enterprise

- Researching convolution neural networks to implement a model that detects cell membranes and predicts their movement. Utilizing TensorFlow, NumPy, Matplotlib, etc.
- Pre-processing images to be compatible with the model.
- Creating a program to teach new members about machine learning.

### **Networking and Computing Student Association Projects**

Sept. 2021 – Present

- Coordinating within NCSA to provide software solutions for networking, security, and systems team.
- Facilitating software projects for DevOps team including a full stack lab tracker and rebuilding a Kubernetes cluster.
- Used Elasticsearch to manage internal logs.

### **Destination Calumet**

Jan. 2021 – May 2021

IT Oxygen Enterprise

- Collaborated with a team to develop a website backend using the Joomla framework.
- Integrated Stripe payment processing.

### **Autobot**

Sept. 2020 – Dec. 2020

Blue Marble Security Enterprise

- Transitioned an autonomous robot from running on C++ to Python. Updated and created documentation accordingly.
- Debugged LiDar and GPS tracking from ROS library.

## LEADERSHIP

**Freshman Orientation Lead** | Team Lead

Aug. 2021 – Present

**IT Oxygen Enterprise** | Project Lead

Jan. 2021 - Present

**Networking and Computing Student Association (NCSA)** | Secretary, Dev Lead

Aug. 2020 – Present