

Ethan Rylko

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(248) 212-6152

EDUCATION

Michigan State University, East Lansing, MI

August 2020-April 2024

- Bachelor of Science, Computer Science and Applied Engineering Sciences
- Concentration in Supply Chain Management and Minor in Business
- GPA 3.83, Honors College, Dean's List for all semesters

JOB EXPERIENCE

Cyber Risk Analyst Intern, Deloitte, Detroit, MI

Summer 2023

- Assist in security role design for a client's SAP S/4HANA system serving thousands of users
- Build on legacy controls and processes and meet with client teams for a new control framework
- Ensure security in the servers by performing password resets and deleting unsafe legacy roles

IT Infrastructure Intern, Sleep Number Corporation, Remote

Summer 2022

- Create scripts responsible for pushing hundreds of metrics per hour to Grafana Cloud dashboards
- Write and deploy services on Linux servers to scrape data using Python and Prometheus

Teaching Assistant, Michigan State University, East Lansing, MI

January 2022-April 2024

CSE 320, Computer Organization and Architecture

Spring 2022, Spring 2023, Spring 2024

- Guide students through topics such as digital logic, microprocessors, and ARM Assembly
- Lead help rooms by delivering personalized assistance to tens of students twice a week
- Answer over 300 questions a semester on the class forum with timely, specific advice

CSE 460, Introduction to Computability and Formal Language Theory

Fall 2022, Fall 2023

- Educate students in automata theory, solvability, regular languages, and other topics
- Answer questions on the class forum for an average response time of under 15 minutes
- Grade assignments, quizzes, and exams within a week including personalized feedback

Research Assistant, Michigan State University, East Lansing, MI

September 2020-August 2021

- Tune hyperparameters for a machine-learning based model for 3D object detection
- Optimize algorithm for use on single-board computers such as Raspberry Pi and NVIDIA Jetson

ACHEIVEMENTS AND CERTIFICATIONS

Fundamentals of Engineering Industrial and Systems Engineering Exam – Passed

IBM Cybersecurity IT Fundamentals Specialization Certificate

TECHNICAL SKILLS

Experienced: C, C++, Microsoft Office (Excel, PowerPoint, Word), Python

Intermediate: Git, Java, Linux, MATLAB, Object-Oriented Design

Basic: Agile Methodology/Jira, ARM Assembly, HTML/CSS, Javascript, NumPy, RStudio, Siemens NX

ACTIVITIES

Leadership Advantage, Secretary, Facilitator

2020-2024

Triangle Fraternity, Member Educator, Judicial Board, Community Service Chair

2021-2024

Computer Science Department Undergraduate Representative

2022-2024

Society of Applied Engineering Sciences, Director of External Relations

2022-2024

Students Consulting for Nonprofit Organizations, Consultant

2023

Deloitte Cyber Threat Competition, Finalist

2023

Boy Scouts of America, Eagle Scout

2013-2020