

Ethan Rylko

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EDUCATION

Michigan State University, East Lansing, MI August 2020-May 2024

- Bachelor of Science, Computer Science and Applied Engineering Sciences
- Concentration in Supply Chain Management and Minor in Business
- GPA 3.81, Honors College, Dean's List for all semesters

JOB EXPERIENCE

Cyber Risk Analyst Intern, Deloitte, Detroit, MI June 2022-August 2022

- 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 May 2022-August 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-Present

CSE 320, Computer Organization and Architecture Spring 2022, Spring 2023

- 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

HONORS AND AWARDS

Alumni Distinguished Scholarship Commended Semifinalist

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-Present

- Facilitate activities for freshman engineers in preparation for the transition to college life
- Manage balances and inventory for a supply store for the trebuchet building competition

Triangle Fraternity, Member Educator, Judicial Board, Community Service Chair 2021-Present

- Promote the welfare of the professions of engineering, science, and architecture
- As a Member Educator, instruct 18 new members of the organization's values and standards

Computer Science Department Undergraduate Representative 2022-Present

Society of Applied Engineering Sciences, Director of External Relations 2022-Present

Students Consulting for Nonprofit Organizations, Consultant 2023-Present

Deloitte Cyber Threat Competition, Finalist 2023

Boy Scouts of America, Eagle Scout 2013-2020

FIRST Robotics, Animation Subteam leader, Programmer, Field Builder 2014-2020