Ethan Rylko

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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   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-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

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   2020-2023
- 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   2021-2024
- 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   2022-2024
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
FIRST Robotics, Animation Subteam leader, Programmer, Field Builder   2014-2020