

# MERRY REN

---

✉ mxr6570@rit.edu   🌐 merrynr

## SUMMARY

---

Current senior computer science student seeking internship in computer science in the Summer of 2022.

## EDUCATION

---

### Rochester Institute of Technology

Bachelors of Computer Science, Class of Winter 2022

GPA | 3.62/4.0, Deans List (multiple)

Relevant Courses | Algorithms & Data Structures, Artificial Intelligence, Operating Systems, Databases, Computer Networks

## EMPLOYMENT

---

### Paychex Inc, Cyber Security Analyst Co-op, Webster, NY

Aug. 2021 - Dec. 2021

Worked with the cyber intelligence team to identify cyber security incidents in data loss prevention, network incidents, threat intelligence, and user behavior analysis.

Detected and notified teammates to multiple incidences of malware activity while using Splunk logs to monitor for infrastructure events.

### Orolia, Spectracom, Associate Computer Engineer Intern, Rochester, NY

Jan. 2019 - May 2019

Integrated new source of vehicle sensor data into navigation software, writing the driver code to interface with hardware chip.

Found and fixed security bugs on the embedded system software including Apache server crashes, site-tracing footprints, and data inconsistencies.

Developed a python analysis program to check timing/navigation data, reducing teammates' efforts spent each week on routine accuracy tests.

## PROJECTS

---

### Packet Analyzer (C)

Feb. 2021 - Mar. 2021

Created a .pcap file-reader script that quickly interprets common network packets, then prints their fields.

Currently offers simple, interactive command-line features (ie. filtering by IP address, port, and protocol type).

### Gossiping Network (Java)

Sept. 2020 - Oct. 2020

Designed a multithreaded peer-to-peer gossiping network using a queue, hash-map, and TCP sockets.

Coded functionalities for discovering peer nodes, relaying timed messages, and comparing data within a docker environment.

### Car Rental Management Database Sim (SQL)

Mar. 2017 - May 2017

Led four people team in planning database architecture for a model Car Rental Management Service.

Drafted entity relation diagram, refined key structures to make tables more cohesive, and added triggers, allowing users to simulate a commercial system.

## ACTIVITIES

---

### NetPolarity, Volunteer

June 2020 - Dec. 2020

Helped engineers design Covid 19 symptoms checklist form for internal employees during pandemic.

Wrote corresponding ASP.net web forms and functions, allowing users can save their data to MSSQL server.

### WicHacks, Hackathon

Feb. 2018

Designed and implemented a grocery shopping app for IOS using Swift with three other team members, winning Best Entry Award (High School Most Innovative Category).

Added the portion to connect application to Wegman's API through JSON.

## SKILLS

---

**PROGRAMMING LANGUAGES & SCRIPTING:** Java, Python, C, C++, SQL, Javascript, HTML/CSS

**PLATFORMS/LIBRARIES:** NumPy, Pandas, WireShark, Linux (Debian), WebGL, PyCharm, IntelliJ, Splunk