RAPHAEL CHUNG

518-308-3675 | raphael15368@gmail.com | LinkedIn | Github

EDUCATION

Rensselaer Polytechnic Institute (RPI), Troy | NY   May 2024
B.S. in Information Technology and Web Science – Computer Science Track

RELEVANT COURSEWORK

- **Cybersecurity:** Information System Security, Cloud Security, Modern Binary Exploitation, Cryptography and Network Security
- **Software Development:** Web Science Systems Development, Database Systems, Operating Systems, Web Systems Development

SKILLS

- **Web Development:** React, Node, JavaScript, HTML, CSS, Bootstrap, PHP
- **Frameworks:** Express, REST API, MongoDB
- **Programming:** Python, C, C++, Java, SQL, MySQL
- **Networking:** Postman, Tor, Wireshark, Powershell
- **Tools:** Git, GitHub, Git Bash, VS Code, Microsoft Office

WORK EXPERIENCE

TESS Asia Limited, Hong Kong

Associate, Information Technology, Part-time Remote from Troy, NY   Jun 2023-Dec 2023
Intern, Information Technology, Hong Kong
- Identified and mitigated 10+ critical vulnerabilities in current application and software libraries through advanced scanning tools, recommending and implementing safer versions to enhance security.
- Revitalized the ISO27001 qualification initiative at TessAsia Limited by establishing a comprehensive framework to evaluate and rectify gaps in policies, records, licenses, and processes, ensuring compliance with ISO27001 and legal standards.
- Presented detailed findings to senior management and successfully implemented new policies and business practices aligned with ISO27001 standards, significantly enhancing data protection, access controls, and risk management for a 10-person office.

CODING PROJECTS

Electronic Visitor Tracking System, RPI   Jan-May 2024
- Co-developed an electronic visitor tracking system with digital rewards, encouraging museum visits and exploration.
- Implemented Firebase and React-based login backend for user sign-up, login, and password recovery.

Public Website Development, RPI   Aug-Dec 2023
- Developed a public website for the Rensselaer Cybersecurity Collaboratory to attract donors and sponsors, facilitate communication, and develop practices for Cybersecurity
- Co-developed a CTF (Capture the Flag) writeup database backend using MongoDB and JavaScript for user-generated cybersecurity content.
- Displayed problems along with relevant pictures and solutions when someone searches the database for specific challenges or practice for the National Cybersecurity League.

Website & Database Development, Food Stock Management System , RPI   Aug-Dec 2022
- Collaboratively developed a website to reduce food waste by notifying users of expiring items and offering donation options.
- Created the donation page in HTML and contributed to the PHP login development.

ACHIEVEMENT

National Cyber League (NCL) Fall 2023 Season   Sept-Dec 2023
- NCL is a cybersecurity competition that challenges participants with real-world problems in cryptography, network traffic analysis, and web application security.
- Individual Game: (Standard Bracket) National Rank: 1253/7934; Total Score: 855/3000;
- Team Game: (Standard Bracket) National Rank: 235/4692; Total Score: 1075/3000;