

CHONG YING XIANG

CYBERSECURITY ENTHUSIAST • FLEDGLING SOFTWARE DEVELOPER

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Lifelong learning of technology to build and secure applications.

EXPERIENCE

Freelance Sailing Instructor

Jul 2020 - Present

Changi Sailing Club (Singapore)

- Instructed clients in basic sailing
- Communicated learning objectives in a clear and concise manner
- Worked with people ranging from children to adults

Marketing Intern

January 2020 - June 2020

Kinneret Innovation Center (Kinneret, Northern District, Israel and Remote, Singapore)

- Wrote a simple Python script to scrap data from a website for market research
- Laid the foundation of the startup's new website on Wix to replace the previous version hosted on WordPress
- Produced, shot and edited a marketing video

Video Editor

May 2019 - June 2019

National Institute of Education (Singapore)

- Decided on shots sequence and motion graphics to tell stories to engage over 900 student teachers and teachers on new teaching practices

Marketing Intern

March 2014 - August 2014

Song Be Golf Resort (Binh Duong, Vietnam)

- Developed proposals and designed marketing materials that improved sales by 5%
- Shot and edited photographs to revamp the company website
- Wrote and designed a club newsletter to engage over 100 club members

COURSES

Rocket Academy Coding Basics

July 2021 - August 2021

Rocket Academy (Remote, Singapore)

- Beyond syllabus, designed a showcase of course projects and exercises using HTML and Bootstrap, deployed with GitHub Pages
- Worked on three milestone projects that demonstrates understanding of course content
- Wrote more than 600 lines of JavaScript to apply Functions, Conditionals, Program State, Arrays, Loops and Objects

- Six weeks flipped classroom with two weekly two-hour classes
- Used Visual Studio Code, Git-Bash, Git, GitHub and Google Chrome
- Applied development strategy, debugging and pair programming

LearnHack

May 2021 - June 2021

The Cyber Assembly (Remote, Singapore)

- An online learning platform using their own content and learning labs
- Linux and Windows Fundamentals and
- Computer Networks, Web Fundamentals, OWASP Top 10
- Introduction to Malware
- Practical Cryptography
- Introduction to Kali Linux, Wireshark, Metasploit
- OSINT, Reconnaissance & Scanning
- Offensive PowerShell
- Basic Reverse Engineering

MH8300 Discreetly Discrete Math

January 2021 - May 2021

Nanyang Technological University (Singapore)

- Modular Arithmetic
- Coding Theory
- Cryptography including Diffie-Hellman Key Exchange and RSA
- Introduction to Graph Theory and Eulerian Graphs
- Maximum Matching in Bipartite Graphs
- Shortest Path Problem
- Minimum Spanning Tree
- Travelling Salesman Problem
- PageRank

Practical Ethical Hacking

June 2020 - July 2020

The Cyber Mentor (Remote, Singapore)

- Introduction to Networking including Ports and Protocols; IP Addresses; MAC Addresses; OSI Model; Subnetting; TCP, UDP and the Three-Way Handshake
- Introductory Linux and Python
- Hacking Methodology including Reconnaissance and Information Gathering; Scanning and Enumeration; Exploitation Basics;
- Introduction to OWASP Top 10
- Active Directory Overview and built own Active Directory lab
- Used Kali Linux, Greenshot and VMWare

SQL from A to Z Track

April 2020 - June 2020

LearnSQL (Remote, Singapore)

- SQL Basics, retrieve data from an SQL database and build simple reports
- Standard SQL Functions, process numerical, text, and other types of data
- Data in SQL, UPDATE, INSERT, and DELETE commands, and combined them with NULLs and JOINS

- Wrote Python to understand Functions, Conditionals, Loops, Arrays, Dictionaries, Objects, Regular Expression
- Worked on weekly assignments, a capstone project and a timed in person coding assessment
- Learnt how Python can be applied to linguistics through data analysis and machine learning
- Used Jupyter Notebooks and Anaconda

COMPETITIONS

- Cyber Defenders Discovery Camp, June 2021
- CSIT The Infosecurity Challenge, July 2020
- Stack the Flags, June 2020
- Cyber Defenders Discovery Camp, May 2020

EDUCATION

- Bachelors of Communication Studies, Nanyang Technological University, 2021
- Business Studies, Ngee Ann Polytechnic, 2015

SKILLS

- Linux Command Line
- Software Development
- Ethical Hacking Methodology

KEYWORDS

Linux • Virtual Machines • VMWare • Virtual Box • Python • Bash • HTML • CSS • JavaScript • SQL • Markdown • nmap • Vim/Vi • VSCode • Git • GitHub

LANGUAGES

- English (native)
- Chinese (spoken and written)