

# Uzen Huang

@uzen@cookieuz.io @CookieUzen Uzen Huang

Computer Science student exploring new platforms of computation

## Internship

### Eccom HK

July 2024 — Aug 2024 Hong Kong, CN

Eccom is a networking company.

- Worked with Cisco, Huawei routers, and FortiNet firewalls
- Learned contents from CCNA and HCIA
- Participated in a bank office relocation project

### Tencent Security Xuanwu Lab

Jul 2023 — Aug 2023 Beijing, CN

Xuanwu Lab is a cybersecurity lab that focuses on finding vulnerabilities in a range of platforms.

- Worked on finetuning a Large Language Model (LLM) for general security tasks such as vulnerability analysis
- Researched attack and defense methods for LLM models on security threats such as prompt injection and prompt leaking
- Wrote a LLM powered group chat backend in python as a target

## Experiences

### Tencent Spark Program

2021 — 2023 Shenzhen/Beijing, CN

Tencent Spark Program is a selective, hands-on summer camp that provides technical experiences to high school students. The yearly event is week long, hosted over summer break.

- Participated in Tencent Spark Program on the cyber security path as a student in 2021
- Joined as a peer mentors in 2023 for the cyber security path, and a student for the AI Vision path
- Participated in organizing the AI Security path in 2023

### DEF CON CTF 2023

#### P1G BuT S4D

Aug 2023 Remote

DEF CON CTF is an internationally renowned Capture The Flag (cybersecurity competition) event where selected teams participate over 3 days to solve difficult puzzles.

- Participated in [DEF CON CTF 2023](#) as a member of [P1G BuT S4D](#)
- Continues to participate in CTFs with [r3kapig](#)

### Caltech Hackathon 2024

Apr 2024 Remote

Participated and won the “Caltech Hackathon 2024” Beginner track.

- Developed [VitaPredict](#) with a team of 4
- a python based web app that predicts risk of skin cancer based on a self trained model

## Education

### Higher Level

University of Wisconsin Madison

Sep 2022 — May 2026 Wisconsin, US

- Sophomore student working towards a B.S in Computer Science (In Progress).
- Cumulative GPA of 3.6/4.0

## Interests

- NeoVim/Exploring different flavors of Linux ([dotfiles](#))
- Cyber Security and Natural Language Processing
- Hypervisors and Containers
- Networking with Tailscale
- Computer hardware and building systems

## Projects

### Homelab

- Hosted various VMs and containers across geological regions on cloud services and bare metal
- Adept at storage technology with RAID, ZFS, and SMB
- Familiar with Ubuntu and RHEL based operating systems
- Experienced with networking, reverse proxying, remote accessing services via Tailscale, Wireguard and Caddy
- Managed backup and recovery of services with snapshot management via Proxmox Backup Server and Restic with s3 buckets

### Mangascribe

- Work in progress manager for manga written in Go
- Supports expansion to multiple difference sources for download APIs
- Uses Gorm (ORM) and Sqlite for storing metadata in database
- Leverages Gin for a RESTful API endpoint
- Employs API keys and session tokens for authentication

### Keyboard Design

- Designed and manufactured [MacroCat](#), a 3D printed macropad
- Case designed using OpenScad, a 3D modeling programming language
- Assembled and modified [crkbd](#) with ZMK to support bluetooth

## Skills

- Experienced with Linux system administration
- Experienced with Docker, Proxmox, Caddy, Wireguard, Tailscale
- Familiar with Python, Go, Java, Bash, C
- Familiar with common Unix tools such as Vim, SSH, Grep, Sed, etc.
- Novice in databases such as MongoDB, Sqlite, and Cassandra