

# Uzen Huang

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Computer Science student exploring new platforms of computation

## Internship

### Eccom HK

July 2024 — Aug 2024 Hong Kong, CN

Eccom HK is a leading networking solutions provider, serving both mainland and international clients.

- Configured and troubleshot Cisco and Huawei routers, as well as FortiNet firewalls.
- Gained foundational knowledge in networking through CCNA and HCIA materials.
- Participated in a bank office relocation project with logistics and onsite deployment.

### Tencent Security Xuanwu Lab

Jul 2023 — Aug 2023 Beijing, CN

Researched at Xuanwu Lab, a cybersecurity lab focused on identifying the potential vulnerabilities of tomorrow.

- 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
- Developed a LLM powered group chat backend in python as a target for security research

## 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 2022 for the cyber security path, and a student for the AI Vision path
- Lead fellow peer mentors to organize the AI Security path in 2023

### DEF CON CTF 2023

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*
- Worked on AI specific challenges

### 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

- B.S in Computer Science (In Progress).
- Cumulative GPA of 3.7/4.0
  - CS642 Intro to Information Security: A
  - CS537 Intro to Operating Systems: A
  - CS544 Intro to Big Data Systems: A

Kyoto University

Oct 2025 — Sep 2026 Kyoto, JP

- One year exchange

## Skills

- Experienced with Linux (Ubuntu/RHEL/Nix/Arch)
- Experienced with Docker, Proxmox, Caddy, Wireguard
- Familiar with Python, Go, Java, Bash, C
- Familiar with shell such as Fish, Vim, SSH, Grep, Tmux
- Novice in databases such as Sqlite, Cassandra

## 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 Wireguard, Tailscale, and Caddy
- Managed backup and recovery with snapshot management via Proxmox Backup Server and Restic with s3 buckets

### Bloomfield

- Farming game written in JavaScript and Phaser
- Lead a team of 5 student/beginners with varying background
- [Finalist for 2025 Games for Change Student Challenge](#)

### Spacetime

- A multiplayer spaceship game
- Made using Godot engine
- Features server side netcode to play online

## Interests

- Game design and Programming
- Learning Nix: ([nixvim](#) and [home-manager](#))
- Cyber Security and Natural Language Processing
- Hypervisors and Containers
- Networking
- Computer hardware and building systems

## Languages

- Native speaker of English and Chinese
- Learning Japanese and French