SANTIAGO ESPINOSA MOOSER

👤 ABOUT

Hey there! My name is Santiago. I'm currently a Computer Science student at the University of Hong Kong. If you are reading this, I'm probably looking for a job. This page serves as a quick introduction to my professional life and my personal projects that might be relevant to the job I'm applying to. If you would like to interview me or simnply connect with me to collaborate on any projects, feel free to email me using the email address on the right.

💼 WORK EXPERIENCE

Hex Trust · Hong Kong
🌐 https://hextrust.com
June 2022 – August 2020

DevSecOps Consultant
Digital Asset Custodian.
Highlights

- Spearheaded the design, development and deployment of new DevSecOps pipeline and git workflow.
- Implemented smartcard decryption for company computers.
- Adviced on the use of industry-standard security tools.

Handshake Networking · Hong Kong
🌐 https://handshake.hk
January 2022 – May 2020

Software Developer & SysAdmin (full-time/part-time)
Handshake Networking is cybersecurity consultancy company.
Highlights

- Designed, developed and deployed Django-based API.
- Development of full (but simple) DevSecOps pipeline and unit tests for Django-based API.
- Installed, managed and maintained XCP-ng hypervisor server and Ubuntu-based VMs.
- Assisted in ASV exam recertification through penetration tests.
- Audited the security of clients' IT systems through penetration tests.
- Deployed various services for internal use such as Bookstack, GitLab and Ubuntu-based Samba server.
- Set up offline backup service from XCP-ng to tape.
- Throughouly documented all work on Bookstack.
- Developed tools & web applications for internal use such as an ike-scan & nmap multithreaded wrapper (see github)

PricewaterhouseCoopers New Ventures · Hong Kong
PWC digital solutions department.
🌐 https://www.pwchk.com/en/services/new-ventures.html
May 2019 – August 2019

DevOps Intern (Full-time), DevOps Engineer Apprentice (Part-time)
Highlights

- Automated server deployment & provisioning using Ansible and Terraform; Reduced deplotment and privisioning time from 3-5 business days to 30-45 minutes.
- Deployed and maintained services for internal user: Mattermost and MySQL.
- Managed doccker deployments in CentOS servers.
- Throughouly documented all work on GitLab Wiki.
- Modeled for department: https://www.pwchk.com/en/issues/cybersecurity-and-privacy/employees-and-cybersecurity-asset-or-liability.html

Cathay Pacific Airlines · Hong Kong
Leading global airline with a global presence in the Asia Pacific region.
🌐 https://www.cathaypacific.com
December 2018 – February 2019

Pentesting Intern in Enterprise Testing Department (Full-time)
Highlights

- Carried out simple penetration tests of internal systems and webapps.
- Installed custom operating systems on company laptops used for security auditing.
- General small-task automation with python.

PROJECTS

Computer Science Association Virtual Career Week 2022: Organized and spearheaded the 2022 virtual career week event for the Computer Science Association. Involved six speakers from various companies topics, including: Site Reliability Engineer, IT Governance Risk and Compliance, and Software Engineering. Also served as host for three different fireside talks.

Unraid Self-hosted Media Server: Deployment and Maintenance of Home Media server as well as backup of personal data

Complete off-site and offline backup of all personal devices: Set up a warm backup system for all personal devices to two separate cloud providers through the use of CGNAT VPN, syncthing and ZFS.

◎ CONTACT

📍 Hong Kong

✉️ contact@santiago-mooser.com

GitHub
santiago-mooser

LinkedIn
santiago-mooser

Keybase
santiagoespinosa

🏛 EDUCATION

2018 – 2023 (expect...) — **University of Hong Kong**
🌐 https://hku.hk/
🎓 Bachelor
Computer Science
Courses
- COMP3357 - Cryptography
- COMP3250 - Design And Analysis of Algorithms
- COMP3352 - Algorithmic Game Theory
- COMP3230 - Principles of Operating Systems

2017 – 2018 — **HKU Space**
🌐 https://hkuspace.hku.hk/
🎓 Associate
Engineering
Grade: 3.63/4.0

SKILLS

Python `Advanced`
Python · Django

Linux systems `Advanced`
Linux · Unix · Bash · Arch · Debian · Ubuntu · CentOS

DevOps & SRE `Working knowledge`
DevOps · Site Reliability Engineering · Ansible · Terraform · CICD · Docker · Docker-compose · GitLab · GitHub · Jenkins

System Administration `Working knowledge`
SysOps · XCP-ng · Ansible · Xen · Azure · AWS · Linode · Digital Ocean

App Self-Hosting `Working knowledge`
Unraid · Cloudflare Tunnels · Tailscale Carrier-grade NAT · Letsencrypt Certificate Automated Renewal · Nginx · docker-compose

Databases / Key-value stores `Working knowledge`
MySQL · PostgreSQL · Redis · RabbitMQ · ElasticSearch

♥ INTERESTS

Playing the Bass

Muay Thai, MMA and Running

Videogames

Cybersecurity and Hacking

Privacy

Self-hosting

☑ REFERENCES

Santiago was always willing to offer his assistance and had excellent technical skills on working software products.
— Kit Ho (PWC)

— Richard Stagg (Handshake Networking)