

Santiago Espinosa Mooser

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WORK EXPERIENCE

HexTrust

May 2022* – Present

DevSecOps Engineer (Level 11 → 12)

Hong Kong

- Acted as main Point of Contact in the company for any security-related issues in the company
- Designed, implemented, and maintained first-ever DevSecOps pipeline.
 - Shifted security left:** moved security testing into the software development lifecycle.
 - Allowed developers to fix issues before they got into production, reducing the cost of remediation.
- Set up, maintained and managed Privileged Access Management (PAM) tool (teleport), which allows auditable, real-time access to company resources.
 - Deployed infrastructure using IaC on AWS, EKS and EC2. Used Terraform, Kubernetes.
- Organized, launched and ran private bug-bounty program.
 - Organized fixing of security vulnerabilities** found by program participants.
 - Allowed company to understand where the largest security issues with the product come from.
- Responded to security incidents and remediated / mitigated where needed
 - Created incident reports, organized response and reported results to CTO

Handshake Networking

May 2020 – Jan 2022*

Penetration Tester (part-time contract)

Hong Kong

- Designed, developed, and deployed Python-based Django service to automatically scan vessels worldwide using modular, remote scanners, RabbitMQ queues, and asynchronous Celery tasks.
- Deployed maintained on-prem company servers and VMs
 - Deployed and maintained internal services (GitLab, Bookstack, Samba, Elasticsearch).
- Assisted recertification process for the Authorized Scanning Vendor PCI certificate.

Projects

IMC Prosperity 2024

- Participated in IMC timestep-bound trading competition:** analyzed trading data, came up with viable trading strategy & implemented into trading script. Participated in 3/5 rounds. Finished #729 out of over 10'000 participants, top 15 in Hong Kong (out of 110+). Mock-traded bonds, ETFs, stocks, options. Link to code [\[1\]](#) and analysis [\[2\]](#).

Jane Street ETC 2022

- Participated in real-time PvP trading challenge;** wrote real-time trading script to compete with other players. Finished #4 / 30 participants. Mock-traded bonds, ETFs, stocks.

EDUCATION

The University of Hong Kong

July, 2023

B.S Engineering, Computer Science

Hong Kong

- Focused on theoretical side of Computer Science; Studied courses such [Advanced algorithm analysis](#), [Algorithmic game theory](#), [Compiling techniques](#), [Functional programming](#), [Principles of programming languages](#), [Cryptography](#).
- 2x Exco member of the Computer Science Association. Organized career week.

SKILLS & INTERESTS

- Skills:** Low-level programming (C, Comfortable reading Assembly & logic flow diagrams); Debugging; Reverse engineering; Data analysis; Linux Management; Python Development; Bash automation; Containerization; Risk assessment & mitigation
- Interests:** Muay Thai; Powerlifting; Co-op videogames; Linux tinkering; Sci-Fi; Reddit; Medicine; Investing