

XU HAIYANG

haiyang.xu.2021@scis.smu.edu.sg | <https://www.linkedin.com/in/haiyang-xu-8a2151212> | <https://haiyangxu.netlify.app/>

EDUCATION

Singapore Management University, Singapore <i>Bachelor of Computer Science (Cybersecurity & Cyber-Physical System)</i>	Aug 2021 – Dec 2024
<ul style="list-style-type: none">Relevant modules – IT Solution Lifecycle Management, Cyber Threat Intelligence, Internet of Things: Technology and Applications, Frontend & Backend Web Application Development	
Singapore Polytechnic, Singapore <i>Diploma in Computer Engineering</i>	Mar 2018 – Apr 2021
<ul style="list-style-type: none">Relevant modules - Server Management, Computer Networking, Cloud Architecting, Firewall TechnologiesHonor: SP EEE Director's Honor (Top 10% of cohort)	

WORK EXPERIENCES

Hungry Hub (AppServation Co., Ltd.), Thailand Bangkok <i>Cybersecurity Analyst</i>	May 2024 – Aug 2024
<ul style="list-style-type: none">Automated security scans using OWASP ZAP, GitHub Actions, and SonarQube, reducing vulnerability resolution time by 30%.Built AWS Lambda workflows and API Gateway integrations to streamline security alert analysis, improving incident response efficiency.Developed Python/Shell scripts to automate repetitive tasks, saving 10+ hours/month for the security team.	
UBS AG, Singapore <i>Insider Threat Risk Solution Developer</i>	Jan 2024 – Apr 2024
<ul style="list-style-type: none">Engineered a machine learning model (TensorFlow/Scikit-learn) to detect anomalies in user activity logs, reducing false positives by 25%.Deployed Python/Flask microservices with MySQL, handling 10k+ daily transactions with 99.9% uptime.Streamlined CI/CD pipelines via GitLab and Docker, cutting deployment time by 40%.	
W2 Industrial Services Hub Pte. Ltd., Singapore <i>IoT, Web Development Intern</i>	Aug 2020 – Feb 2021
<ul style="list-style-type: none">Integrated AWS cloud systems with IoT hardware, achieving 98% uptime for real-time data processing.Designed user interfaces for IoT dashboards, improving operational visibility for 50+ factory technicians.	
Singapore Indoor Farms Pte. Ltd., Singapore <i>IoT, Web Development Intern</i>	Aug 2020 – Feb 2021
<ul style="list-style-type: none">Developed cloud infrastructure using AWS, facilitating seamless connectivity with factory backend systems.Managed diverse datasets, ensuring accurate and efficient data processing for operational needs.Designed and implemented a web interface for improved user interaction and data visualization in indoor farming.	

CO-CURRICULAR ACTIVITIES AND LEADERSHIP EXPERIENCES

Deep Learning Week Hackathon, NTU, 2022 <i>Team Leader</i>	Sep 2022 – Aug 2022
<ul style="list-style-type: none">Led the development of an AI solution to enhance urban safety by detecting pedestrians and vehicles in real-time. Showcased leadership in fostering team collaboration and innovation, applying deep learning techniques to solve practical urban challenges.	
Lyve Cloud Hackathon 2022 <i>Team Leader</i>	Mar 2022 – May 2022
<ul style="list-style-type: none">Pioneered a media streaming server solution for Seagate's Lyve Cloud, enhancing data storage and access.Developed middleware for real-time video streaming from cloud storage with sub-5-second TTFB, enabling simultaneous multi-client streaming. Overcame challenges in cost, scalability, and vendor lock-in, demonstrating innovative cloud solutions.	

COMMUNITY SERVICE

ST LUKE'S ELDERCARE (CLEMENTI CENTRE, SINGAPORE) <i>Volunteer</i>	Jul 2022 – Sep 2022
<ul style="list-style-type: none">Provided compassionate care at an eldercare center, assisting with daily activities, ensuring safe mobility, and fostering meaningful connections through conversations and companionship.	

ADDITIONAL INFORMATION

- AWS Certified Solutions Architect Certification**
- Coding Language Proficiency** – Python, JavaScript, R Coding, ReactJS, Java, C/C++
- Security Skills** – OWASP ZAP Penetration Testing, SQL Injection Vulnerability Assessment, Network Security, Identity and Access Management (IAM), AWS Security Hub, Risk Management and Assessment, Threat Intelligence and Analysis