HESTIA TAY

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Cybersecurity and Digital Forensics student with Python programming expertise and a background in scientific research. Proactive and self-motivated, known for taking initiative and working independently. Possesses strong aptitude for self-directed learning and a track record of completing projects autonomously. Seeking to further expand knowledge and skills to contribute to research and development efforts.

EXPERIENCE

JAN 2022 – AUG 2022
STUDENT RESEARCHER, COMMONWEALTH SECONDARY SCHOOL

- Conducted independent research and authored a paper on plastic tensile strength and degradability.
- Presented research findings to school leaders, students, and the public.

JAN 2021 – FEB 2022
RESEARCH INTERN, SCIENCE CENTRE SINGAPORE

- Leveraged tools such as LibreCAD, Arduino, and Excel for experimental setup and data collection.
- Authored a paper titled "Ultrasonic Measurements of Gas Syringe Positions for Kinetic Studies of Reactions between Acids and Aluminium", presenting it at the Youth Science Conference.

SKILLS

- Languages: Python, HTML, CSS, JS, C#
- Cyber Security: Kali Linux, Parrot Security Tools
- Forensics: ALEAPP/iLEAPP, AXIOM, Autopsy
- Science: Scientific Research & Communications
- Soft Skills: Adaptable, Proactive, Teamwork

PROJECTS

PYTHON NLTK SENTIMENT ANALYSER
Developed a sentiment analysis tool automating the assessment of sentiment in text data and generating reports with sentiment metrics.

PYTHON MALWARE SCANNER
Developed a file scanning tool using Python's ClamAV library, automating the efficient and reliable detection of malware in files.

EDUCATION

APR 2023 - PRESENT
CYBERSECURITY & DIGITAL FORENSICS, NGEE ANN POLYTECHNIC

- Interest groups: ICT Society (Leadership), NullSec (Cybersecurity), AISIG (Data & AI) and OVERFLOW (Technology & Programming)
- Participated in CTFs: Magnet Forensics, Cyber:100 (PSB Academy), Grey Cat the Flag (NUS), SEETF, AYCEP (CSA) and other CTFs.
- Attended FOSSASIA Summit, Black Hat Asia 2023
- Leadership: Class Representative, AISIG Event Planner, ICT Society Investiture Planner

JAN 2019 – NOV 2022
GCE O LEVEL, COMMONWEALTH SECONDARY SCHOOL

- 6 Distinctions for O-Level (L1R5 − 7, L1R4 − 5) and 'A' for STEM Elective Programme
- Participated in A*STAR Scientist-In-Schools
- Dialogues with WWF, SFA and NTU

CERTIFICATIONS

AUG 2023
LINUX ESSENTIALS, CISCO

APR 2023
NETWORKING ESSENTIALS, CISCO

APR 2023
AI41® LITERACY IN AI, AI SINGAPORE

JUL 2022
PYTHON ESSENTIALS, CISCO

JUL 2022
CYBERSECURITY ESSENTIALS, CISCO