

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 2023 – APR 2023

ASSISTANT STUDENT RESEARCHER, CRESCENT GIRLS' SCHOOL

- Developed a sentiment analysis program using Python Natural Language ToolKit (NLTK) to analyse survey responses objectively and accurately.
- Provided insights on aspects of cybersecurity.

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 through oral and poster presentations to school leaders, students, and the public.

JAN 2021 – FEB 2022

RESEARCH INTERN, SCIENCE CENTRE SINGAPORE

- Leveraged software 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 the findings at the Youth Science Conference.

SKILLS

- Languages: Python, HTML, CSS
- Cyber Security: Kali Linux & Parrot Security Tools, Android Forensics (ALEAPP & AXIOM)
- Science: Scientific Research & Communications
- Soft Skills: Adaptable, Proactive, Teamwork

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), VishwaCTF'23 and other CTFs
- Attended FOSSASIA Summit, Black Hat Asia 2023
- Leadership: Class Representative (Treasurer), AISIG Event Planning team

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 Programme
- Dialogues with WWF, SFA and NTU

CERTIFICATIONS

APR 2023

NETWORKING ESSENTIALS, CISCO

APR 2023

AI41® LITERACY IN AI, AI SINGAPORE

JUL 2022

PYTHON ESSENTIALS, CISCO

JUL 2022

CYBERSECURITY ESSENTIALS, CISCO