

# HESTIA TAY

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Cybersecurity and Digital Forensics student with a background in scientific research and programming. 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

**404UFOUND – CTF TEAM**

Founded a Singaporean CTF team for players of all skill levels to learn from each other. View our website at <https://404Unfound.com>.

**PYTHON NLTK SENTIMENT ANALYSER**

Developed a tool to assess sentiment in text data and generate reports with sentiment metrics.

**PYTHON MALWARE SCANNER**

Developed a tool using the ClamAV library, to automate efficient and reliable detection of malware in files.

## EDUCATION

**APR 2023 - PRESENT**

**CYBERSECURITY & DIGITAL FORENSICS**, Ngee Ann Polytechnic

- cGPA: 4.00
- DSTA Polytechnic Digital Scholar
- Interest groups: ICT Society (Leadership), NullSec (Cybersecurity) and Overflow (Programming)
- Participated in various CTFs: MUS, Cyber:100, GreyCTF, SEETF, AYCEP and other CTFs.
- Attended FOSSASIA Summit, Black Hat Asia 2023
- Participated in MINDEF's Sentinel Programme

**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