

# 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, JS, C#
- Cyber Security: Kali Linux & Parrot Security Tools
- Forensics: (Mobile: ALEAPP/iLEAPP & AXIOM; Autopsy)
- 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), SEETF, AYCEP (CSA) 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