YANG HANMING DARRYL
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SKILLS

Python | Javascript | Typescript | Dart | Flutter | HTML | CSS | SCSS | React | NextJS | Postgresql | Prisma | AuthV5 | MongoDB | Express | RSC | Puppeteer | Beautiful Soup | Selenium | Django | Flask | PyTorch | TensorFlow | HuggingFace | Bash | Scripting | RPA | Git | Docker

EDUCATION

National University of Singapore (NUS)   **Enrollment Aug 2025**
- Bachelor's degree in Business Analytics (Honours).

Hwa Chong Institution   **Jan 2017 – Dec 2022**
- Achieved 5 distinctions and a score of 88.75 for GCE A-Level.
- Outstanding Student Award (OSA).

EXPERIENCE

Musixtica | Co-Founder & CTO   **Dec 2022 – Present**
- Built and grew Musixtica, a music advertising agency with over 300,000 social media followers, dedicated to helping artists amplify their reach and make their voices heard.
- Developed a fully automated solution for Customer Service and Product Delivery using **PERN stack** (Front End), **Python & FFMpeg** (Backend), with **Express** (API) being the bridge.
- Started as a passion project, Musixtica has now done over six figures in revenue and served thousands of customers all around the globe.

Freelance Full-Stack Developer   **Nov 2020 – Present**
- Developed Business & Tech Solutions based on client needs.
- Major projects that I have embarked on: Crawler for Social Media Platforms using **Puppeteer**, **Express**, and **Django**, Customer Service Chatbot using **NextJs** and **Hugging Face**, Automatic Video Editor using **Python** and **FFMPeg**.

Staff Assistant | Singapore Police Force   **Apr 2022 – Apr 2024**
- Developed **Robotic Automation Process (RPA)** to automate previously mundane and repetitive tasks, saving tens of hours.
- Developed **Powershell** and **Bash** scripts to automate Annual Credit Screening Exercises and Ranking.

PROJECTS & COMPETITIONS

SBS Transit Hackathon   **Nov 2024 – Jan 2025**
- 1st Place out of hundreds of entries
- Designed and developed a software for remote-control lighting network with automatic management system, eliminating the need for manual intervention. Designed using **NextJS**, **Prisma**, **PostgreSQL**, **Auth V5** and **Express**.

AI Robo-Soccer Competition | Hackathon   **Oct 2024**
- Top 8 for AI Robo-Soccer Competition.
- Designed and developed a fully autonomous soccer-playing robot using Arduino Mini for hardware and C++ with HuggingFace for backend functionality.

TIL-AI by BrainHack | Hackathon   **Apr 2024 - Jun 2024**
- Finalist for TIL-AI.
- Developed and fine-tuned a **Multimodal Machine Learning model**: Automatic Speech Recognition Model using **PyTorch** and **Whisper**, Natural Language Processing using **PyTorch** and **Bard**, Image Recognition Model using **PyTorch** and **YoloV5**.

Hack4Good | Hackathon   **Feb 2024**
- Build a full-stack web application using the **MERN stack** that aims to facilitate data access and collection for volunteer sign ups.
- Features include user authentication using the ZOD schema, event management, and volunteer tracking.

DSTA CTF | Capture The Flag   **Jun 2022**
- Top 8 for DSTA CTF.
- Specialized in web vulnerabilities and exploitation, leveraging known CVEs like SQL Injection and XML External Entity (XXE) Injection to bypass security measures during the hackathon.

Awards / Achievements

Pat On The Back Award   **Jun 2024 – Dec 2024**
- Awarded by Commander Special Operation Command for the implementation of Robotic Process Automation (RPA) in the Singapore Police Force.

O2 Award   **Nov 2019 – Dec 2020**
- Collaborated with Ulu Pandan Star, a non-profit organization, to enhance tech literacy among underprivileged students.
- Developed interactive Python programs and lesson modules for Primary and Secondary school students.
- Achieved higher distinction for the project and received the prestigious O2 Award given to only one service-learning project group in Hwa Chong Institution.