

# Ng Johnson

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## Education

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**Dunman High School** **Singapore, SG**  
Singapore–Cambridge GCE A-Level Jan 2023 – Dec 2024

- H2 Physics, H2 Math, H2 Chemistry, H1 Economics, H1 General Paper, H1 Project Work

**Dunman High School** **Singapore, SG**  
Integrated Programme Jan 2019 - Dec 2022

- Physics, Chemistry, Biology, Mathematics 1 & 2, Geography, Higher Chinese, English, German

## Experience

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**BuildingBloCS** **Singapore, SG**  
*Organizer, Workshop Speaker, and HR* Dec 2022 – Jul 2024

- Designed and conducted a workshop on Streamlit, educating over 200 students across various age groups, equipping them with essential and relevant skills to navigate the rapidly growing AI landscape.
- Allocate roles and responsibilities to members, on-boarded new members every week, and bridge the gap between participants, leads and new ideas.

**Dunman High Crane Scouts** **Singapore, SG**  
*Vice Chairperson (Ventures)* Jul 2023 – Jun 2024

- Frank Cooper Sands Gold Award (Gold), Venture Foundation Course.

*Patrol Leader (Scouts)* Jun 2021 – Dec 2022

- Under my leadership, my patrol obtained Best Patrol Award for 2 years in a row.
- Obtained the highest number of Proficiency and Progress Badges in my Scouts Troop.

## Projects

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**Project Cognition** [\[website\]](#)

- Co-Founded Project Cognition to raise awareness and funds for people with rare disorders in Singapore; successfully raised close to \$700
- Built a website to educate the public on the issue, as well as handle payment processes.

**MyTaxAppSG** [\[website\]](#)

- Created MyTaxAppSG, a robust and interactive website to simplify individual income tax calculations, leveraging data from IRAS 2024.

**Mangrove Mapping — Remote Sensing** [\[website\]](#)

- Conducted geospatial analysis (optical and thermal sensing) on Mangroves clusters using Sentinel-2A datasets.
- Processed multi-spectral satellite image and applied Deep Learning and Neural Networks (CNN and RNN)

## Skills

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**Languages:** Python, C++, HTML/CSS/JavaScript, YAML, Lua, ~~TeX~~.

**Tools:** Arch Linux, Kali Linux, Power BI, Tableau, Excel, PowerPoint, Word, Gimp, VMWare, Ollama, Docker, NeoVim, VS Code, Bash, ZSH, Jupyter, Git.

**Technologies:** Streamlit, NumPy, SciPy, Matplotlib, Tensorflow, PyTorch, Pandas, Keras, Seaborn, Qibo, Svelte.