

# Joshua Paul Plan Guirao

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## Education

### Tufts University

September 2024-Present

B.S. in Computer Science, B.S in Quantitative Economics

Relevant Coursework: Cells and Organisms w/Lab, General Chemistry I w/Lab, General Chemistry II w/Lab, General Physics I w/Lab, Intro Computer Science

### Singapore American School (High School)

August 2020-May 2024

Cumulative GPA: 4.15

Awards: Science National Honor Society (2022-2024), National Honor Society (2023-2024), Scholar's List (2020-2024)

## Work Experience

### Data Science Intern, LeadUp Universe

June 2025-July 2025

- Lead a data science project using a 40000-entry lead dataset
- Cleaned and standardized the dataset (using pandas and numpy) on JupyterNotebook and Microsoft Excel
- Analyzed and identified patterns (through cross-referencing) across the dataset and identified demographic patterns across sales leads
- Created data visualizations and dashboards that visualized the insights and patterns to help identify focus markets/cities for the company

### Intern, Sterling Clinic & Surgery, Singapore

June 2023

- Shadowed under the lead doctor
- Observed and provided doctors assistance with minor procedures and patient checkups (e.g. running ECG test, running urine test, etc.)
- Assisted with the distribution of pharmaceutical drugs
- Aided in overiewing and scanning medical documents

### Intern, Eastern Hougang Eye Clinic, Singapore

July 2023

- Shadowed under lead ophthalmologist
- Provided doctors aid with patient checkups
- Contributed to medical report filing and overall receptionist duties

### Crew Member, Mcdonald's, Singapore

May 2021-August 2021

- Provided guidance to customers in adhering to Covid/SafeEntry rules and regulations
- Maintained and upheld cleanliness standards of the restaurant (e.g. table sanitation, trash removal, mopping, etc.)
- Assisted customers in ordering food
- Performed key roles in the food preparation process (e.g. prepared drinks, made desserts, etc.)

## Extra-Curricular Activities

### Officer, Protection Of Animal Welfare

2020-2024

- Organize and implement different forms of service (direct, indirect, advocacy) to help give uncared-for animals a better life
- Planned, organized, and managed multiple fundraising events (International fair, puppy cafe, bake sales, etc.)
- Created various new events and initiatives to expand club reach to other school divisions (elementary outreach, middle school outreach, etc.)
- Lead weekly club meetings with up to 50 regular club members

### Biology Minister, Science National Honor Society

2023-2024

- Provide students with various forms of academic assistance (One-on-one tutoring, creation of review material, teaching review sessions, etc.)
- Facilitated creation of 1-on-1 tutoring for biology-related classes
- Oversaw review sessions for various classes (AP Biology, AP Environmental Science, Accelerated Biology) and helped other tutors improve their teaching skills
- Reviewed and provided feedback on all biology-related study materials

### Tutor, Teaching and Sharing Skills to Enrich Lives (TASSEL)

2022-2024

- Improve the lives of young, impoverished children in Cambodia through both English education and economic assistance
- Taught Cambodian kids twice a week across two different classes with English language phonetics and rules using VSEE
- Assisted with ideation, planning, and participation in various fundraising events

### Treasurer, Singaporean Indonesian Malaysian Student Association

2024-2025

- Oversee comprehensive budget management for the organization, ensuring strategic allocation of funds across various cultural events
- Lead engaging cultural integration meetings that foster community bonds among diverse members while facilitating collaborative event planning
- Collaborate with the leadership team to align financial decisions with the organization's mission and growth objectives

## Skills

### Programming Technologies

Python, Java, C++, SQL, HTML, CSS, Javascript, VPython

Google Apps (Google Sheets, Google Slides, Google Docs) Microsoft Apps (Microsoft Excel, Microsoft PowerPoint, Microsoft Word), Visual Studio Code, Apache NetBeans, JupyterLab

### Languages

English (fluent), Chinese (Intermediate)

### Interests

Basketball, Badminton, Piano, Cooking, Weightlifting, Video Games, Table Tennis