



MELISSA NG

NTU CS UNDERGRADUATE | CODING INSTRUCTOR
SINGAPOREAN

PERSONAL SUMMARY

Highly focused and responsible individual with a track record of academic and extracurricular success.

Aspiring to excel in Information Technology on a more advanced level and build my career pathway in this industry.

SKILLS

Technical

Go • Python • C++ • C# • Flutter • Java • Swift • Unity • Web Dev • Python

Interpersonal

Leadership • Adaptability • Active • Teamwork • Responsibility • Active Listening

LANGUAGES

English • Chinese

EXPERIENCE

SOFTWARE ENGINEER • GOVTECH (ENTERPRISESG) • MAY – AUG 2022

Executed quality testing on new grants system architecture, reviewed code efficiency and pitched improvements. Participated in AGILE project methodology and conducted meetings with external stakeholders.

LEAD TECH CONSULTANT • SME DIGITAL REBOOT • SEP 2021 – JUN 2022

Led a team of consultants to guide implementation of suggested solutions for Process Automation, Workflow Automation & Digital Marketing.

TECH INSTRUCTOR • ROBOTO ACADEMY • JUL 2020 – PRESENT

Conduct enrichment lessons in MOE Schools, Weekly classes, trials, and holiday camps. C++, Python, Unity, Web Development, Scratch, EV3.

SYSTEM QA ENGINEER • SHOPEE • JAN – MAY 2021

Conducted functional testing using white/grey/black-box methodology. Developed, maintained automation testing tools, scripts & environments.

ALGORITHM DEVELOPER • NP INDUSTRY PROJECT • JUN – SEP 2020

Researched on creation of an AI teaching assistant project.

HEAD OF TECH • SPHERE8, BKK • MAR – AUG 2019

Maintained official website, developed news section. Automated data collection through an API. Headed weekly updates and discussions with partners in Israel.

EDUCATION

DEGREE IN COMPUTER SCIENCE • AUG 2021 - PRESENT • NTU

DIPLOMA IN INFORMATION TECHNOLOGY • MAY 2020 • Ngee Ann Poly

- > Diploma with Merit in Information Technology (CGPA 3.98/4.0)
- > Global Entrepreneurship Internship Program (Bangkok, TH)



MNLY0814@GMAIL.COM



GITHUB.COM/MEL-NLY



WWW.MNLY.GA

ACHIEVEMENTS

2023

- › GEM-Ex Overseas Exchange
– Queen's University 

2021

- › MOE University Engineering
Scholarship

2020

- › Diploma with Merit

2019

- › Edusave Cert of Academic
Achievement

2018

- › 1st in course & Director List
in Oct Sem
- › Edusave Merit Bursary

2017

- › 2nd in course & Director List
in April Sem
- › IMDA iPoly Scholarship

2016

- › EAGLES Award

2015

- › Represented SG in WRO
2015 in Doha, Qatar 
- › NJRC 2015: Best Robot
Performance Award
(Champion)

VOLUNTEER EXPERIENCE & LEADERSHIP

SLEO OPERATIONS • NTUSU • OCT 2021 – FEB 2022

Coordinated faculties, halls and clubs' freshmen orientation. In-charge of administration (i.e., booking conflict management, collation of details).

STUDENT TALENT VICE-CHAIR • STCAI • SEP 2021 – JUN 2022

Contact different schools for potential students to submit papers. Review and shortlist submitted papers. Handled queries from student presenters.

MARKETING MANAGER • VOA (IASPIRE) • MAY 2021 – MAY 2022

Maintained official website, developed a news section, and handled ad-hoc tasks. Automated data collection through an API to .csv, scheduled to run every week. Headed weekly updates and discussions with partners in Israel. Attended and managed company booths at tech events, publicized our platform to create over 100 new profiles.

SPEAKER MANAGER TEAM LEAD • SWITCH • NOV 2020 – DEC 2020

Leading and guiding the team to handle back-end operations. Ensuring the smooth running of the 24/7 online virtual event that has attracted over 95k delegates from all over the world.

OVERALL-IN-CHARGE • RED CAMP 16 • MAR 2019 – NOV 2019

Planned internal selections, camps, and preparation work to foster the bonds of the community. Managed an estimate of 150 student leaders, 5 tribes, and 8 groups. Coordinating with student leaders and lecturers from the 8 different faculties. Successfully executed the actual event which had a turnout of over 1,300 unique campers.

SENIOR & JUNIOR EXCO • NP AMBASSADOR • MAR 2017 – 2020

Appointed as a Junior EXCO, Group Assistant Leader in 2018, and Senior EXCO, Head of Operations in 2019. Organized team-bonding events, planned and participated in largescale flagship events like RED Camp, NP Open House, and internal camps.

CHAIRPERSON • FHSS ROBOTICS • JUN 2015 – JUN 2016

Organized camps and orientation programs for robotics members and the robotics alumni.

COURSES & CERTIFICATIONS

MACHINE LEARNING A-Z HANDS-ON PYTHON & R IN DATA SCIENCE • UDEMY • MAR 2021

GO LANGUAGE COURSE • GOSCHOOL • JUL 2020 – MAY 2021

CERTIFIED ENRICHMENT (CODING AND PROGRAMMING) INSTRUCTOR • MOE • APR 2020 – APR 2024

INTRODUCTION TO CYBERSECURITY • SIMPLILEARN • OCT 2019