MELISSA NG

Computer Science Penultimate Undergrad, NTU | Coding Instructor, ROBOTO

@ mnly0814@gmail.com   📍 Singaporean 🇸🇬

in MEL-NLY   ⌂ MEL-NLY   🌐 WEBSITE   Ⓜ BLOG

STRENGTHS

Go | Python | C++ | C
C# | Flutter | Java | Swift
Unity | Web Dev | My SQL
Agile | Test Automation

Leadership | Adaptability
Communication | Teamwork
Creative | Organisation
Problem-solving

LANGUAGES

1: **English**
2: **Chinese**

ACHIEVEMENTS

2020
IT Diploma with Merit

2019
Edusave Cert of Academic Achievement

2018
1st in course & Director List

2017
2nd in course & Director List

2016
EAGLES Award

2015
WRO 2015: Represented SG in Doha, Qatar 🇶🇦

NJRC 2015: Best Robot Performance Award (Champion)

ABOUT ME

A highly-focused and passionate IT professional with a global mindset. Driven by a desire to make a positive impact on the world using technology, and confident to make a significant contribution to any team. Willing to learn and open to new horizons and opportunities.

EXPERIENCE

Business Analyst | Ministry of Manpower

📅 Jul 2023 – Present

Analyzed business requirements and developed solutions to business problems. Worked with stakeholders to gather and document requirements. Identified and assessed risks and mitigation strategies.

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.

System QA Engineer | SHOPEE

📅 Jan – May 2021

Conducted functional testing using white/grey/black-box methodology, measured and analyzed test coverage. Developed, and executed automation testing tools, scripts & environments for new features and system changes.

Coding Instructor | ROBOTO Academy

📅 Jul 2020 – Present

Developed and delivered training materials for a variety of courses, including C++, Java, Python, Unity, Web Development, Scratch, and EV3. Conducted enrichment lessons in MOE Schools, Weekly classes, trials, and holiday camps.

Algorithm Researcher | NP Industry Project

📅 Jun – Sep 2020

Researched the creation of an AI teaching assistant project.

Head of Tech | SPHERE8

📅 Mar – Aug 2019   📍 Thailand 🇹🇭

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

COURSES & CERTS

1 Star Award [Singapore Canoe Federation]

Machine Learning A-Z Hands-On Python & R In Data Science [UDEMY]

Go Language Course [GoSchool]

Certified Enrichment (Coding and Programming) Instructor [MOE]

Introduction to Cybersecurity [Simplilearn]

EDUCATION

Degree in Computer Science | NTU

📅 Aug 2021 – Present

- CGPA: First-Class Honours
- GEM-Ex Overseas Semester Exchange: Queen's University (Kingston, CA) 🇨🇦
- MOE University Engineering Scholarship (UES)

Diploma in Information Technology | Ngee Ann Poly

📅 Apr 2017 – May 2020

- Diploma with Merit in Information Technology (CGPA: 3.98/4.0)
- Global Entrepreneurship Internship Program: SPHERE8 (Bangkok, TH) 🇹🇭
- IMDA iPoly Scholarship

VOLUNTEER & LEADERSHIP EXPERIENCE

NTU Peak (Sustainability) | UNIQLO

📅 Sep 2022 – Oct 2022   📍 NTU

Analyzed market survey responses to identify sustainable opportunities in Singapore and presented ideas for products or services that can help UNIQLO reduce its environmental impact by 50% before 2030.

SLEO Operations | NTUSU

📅 Oct 2021 – Feb 2022   📍 NTU

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   📍 NTU

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

Speaker Manager Team Lead | SWITCH

📅 Oct 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 – Aug 2019   📍 Ngee Ann Poly

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 – Mar 2020   📍 Ngee Ann Poly

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 large-scale flagship events like RED Camp, NP Open House, and internal camps.