

WAN LI XIN YUAN

INTERNSHIP

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OBJECTIVE

I possess a strong background in mechatronics and robotics and currently studying computer science. Working in the field, I have the ability to think creatively, communicate clearly, and work well in a team to solve challenges.

KEY SKILLS -

Programming: C++, Python, C, Raspberry PI, Html, CSS, JavaScript

Software: Visual Studio code, Ros2, GitHub, Sunrise workbench (KUKA Robot), AutoCAD, Fusion360, Inventor, Eagle, Mastercam, Gimp, PowerPoint, Excel, Word Document

Operating System: Windows and Linux

EDUCATION -

Nanyang Technological University
2023 - Present
Bachelor of Engineering in Computer Science

Singapore Polytechnic
2020 - 2023
Diploma in Mechatronics and Robotics

St Margaret's Secondary School
2015 - 2019
GCE O-Levels

EXPERIENCE

Personal Website

Jan 2024 - Present

- A webpage coded from scratch using HTML, CSS, and JavaScript.
- Webpage mainly contains more details on complete projects.

Final Year Project (Warehouse Transporter)

Sep 2022 - Mar 2023

Role: Leader & Programmer

- Keeping track of deadlines.
- Distributing the workload fairly.
- Researched and designed a customized robot for SICK'S warehouse with peers.
- Developed, analyzed, and troubleshoot Ros programs for robot applications using C++ and Python.
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Digital Fabrication and Prototyping Fundamentals (Playable 5 keys piano)

Sep 2021 - Mar 2022

Design and Fabrication project (AGV)

Sep 2021 - Mar 2022

Further Digital Fabrication and Prototyping (Mini Keypad)

Apr 2021 - Sep 2021

Python Programming for IoT applications (Smart Drawer)

Apr 2021 - Sep 2021

Computer Programming with C++ project (Math game)

Sep 2020 - Mar 2021

Role: Designer and Programmer

- Collaborated with peers in researching, designing, developing, and analyzing.
- Programming and troubleshooting with C++, HTML, C#, and Python programs.

CO-CURRICULUM

Nanyang Technological University

2023 – Present

Handball

Singapore Polytechnic

2020 – 2023

Basketball

St Margaret's Secondary School

2015 – 2019

Basketball

HOBBIES –

Sports, Gaming (PC, mobile, Nintendo)

LANGUAGE –

English (Proficient)

Chinese (Proficient)

COMMUNITY SERVICE –

SP CARES Food Donation Drive (2022)

Meals-on-Wheels Program (2021)

St Andrew's Nursing Home (2018)

Northwest CDC: Distribute goodie bags for Ghim Moh residents (2017)

Charity Concert (2016)

Achievements

Academic Awards:

Edusave Merit Bursary (2021)

Edusave Scholarship (2019)

Edusave Scholarship (2018)

Edusave Merit Bursary (2017)

Edusave Merit Bursary (2016)

CCA Awards:

POL-ITE Basketball Competition 3rd Placing (2022)

NSG Basketball Championships B Division Girls (South Zone) 3rd Placing (2019)

NSG Basketball Championships B Division Girls (South Zone) 3rd Placing (2018)

T-Net U16 Competition 1st Placing (2016 & 2017)

South Zone Inter-School 'C' Division Basketball Championship 2nd Placing (2016)

Others:

MAE Final-Year Project Exhibition, Gold Medal (2023)

National Youth Silver Award (NYAA) (2019)

Singapore International 3D Printing Competition Participation (2016)