**NING JUN JING**

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# EDUCATION

## National University of Singapore (NUS) Aug 2021 to Present Bachelor of Engineering (Biomedical Engineering)

 Expected to graduate in 2026 with Honours

 Relevant courses completed include EE2211 Introduction to Machine Learning, BN2204 Fundamentals of Biomechanics and CS1010E Programming Methodology  Current GPA of 4.66/5.0

## Georgia Institute of Technology Aug 2023 to Dec 2023 Student Exchange Programme

 Currently on exchange to the Georgia Institute of Technology

 Taking classes to specialize in Biomedical Engineering such as BMED 4813-OPT Optical Microscopy and BMED 4803-BMI Biomedical Devices

## Ritsumeikan Junior High Feb 2015 to Mar 2015 Student Exchange Programme

 Conceptualized and designed a script for a performance meant to convey Singapore's own culture to Ritsumeikan Junior High

 Experienced the culture of Japan through participation in various activities conducted by the school

# WORK EXPERIENCE

## Research Intern, Agency for Science, Technology, and Research (A\*STAR) May 2023 to Jul 2023

 Awarded with the A\*STAR Research Internship Award, leveraging the opportunity to connect with experienced researchers and scientists and explore the field of machine learning.

 Learnt of the capabilities required for research in A\*STAR's Institute of High Performance Computing as well as interacting with some of the projects the agency was developing, giving clarity to the depth of the field.

## Staff Assistant, Singapore Police Force (National Service) Aug 2019 to Feb 2021

 Managed and processed large quantities of data every day in order to maintain the security of Changi Airport's passholder system.

 Developed several methods in Excel to maintain and keep up the speed of data processing.

## Research Assistant, Agency for Science, Technology, and Research (A\*STAR) Aug 2018 to Nov 2018

 Gained insight into the job environment of working as a lab technician through working as a research assistant for six months and carrying out various experiments, involving different laboratory equipment.

# ACADEMIC PROJECTS

## Ai in Developing a Database of a Novel Meta-Material, Phosphoinositide Investigation Project with A\*STAR Aug 2017 to Nov 2017

 Collaborated in the monitoring of the movement of phosphoinositides in a developing mouse embryo, resulting in developing a method to control the movements of specific chemicals in developing embryos.

 Developed a working Graph Neural Network to assist in analysis and prediction of physical properties of a meta-material.

 Graph Neural Network was coded in Python using the library PyTorch Geometric.

 Learnt methods for handling data for use in Machine Learning, such as splitting into train test split datasets as well as preprocessing for more accurate regression.

# EXTRA-CURRICULAR ACTIVITIES

## PR Head, NUS Comics and Animations Society May 2023 to Present

 Supervised social media (Instagram) and various in-society forms for the society in order to appeal to newcomers and conduct events; events consisted of 50 society members and appealed to over 300 newcomers.

 Created various graphics and posters in Photoshop in order to appeal to club members for events.

 Organized exco members to lead weekly sessions of 10+ members on topics relating to Japanese culture and stories.

## Exco Member, NUS Comics and Animations Society Sep 2021 to May 2023

 Planned and organized various weekly club sessions consisting of analysing aspects of writing relating to Japanese culture.

 Supervised weekly club events as a helper and organizer including end of year celebrations and post exam parties.

## Participant, 23rd World Scout Jamboree Jan 2016 to Jul 2016

 Represented Singapore in the 23rd World Scout Jamboree, and took the lead in interacting with foreign Scouts in an exchange of Singaporean and various foreign cultures.

 Led the fundraising of the trip to Japan for the World Scout Jamboree and learnt sales techniques as well as how to manage money.

## Trainer, Henry Park Primary School Scouts Camp Jun 2014 to Jun 2014

 Trained cub scouts in how to lead and serve juniors, and taught cub scouts strategies in handling urgent situations and complex matters such as bullying.  Inducted cub scouts into a leader role via acting as a role model.

# ADDITIONAL INFORMATION

 Proficient in Microsoft Excel and Adobe Photoshop CS6.

 Fluent in English, Chinese and written Japanese.

 Can code in Python.

 Able to use SQL to create and manage a database.

 Enjoys reading and writing.