

# NING JUN JING

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## EDUCATION

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**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

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**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**

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### **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**

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### **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**

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- 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.