

# Ian Soo

Email: [ian.sqx@gmail.com](mailto:ian.sqx@gmail.com)

Phone Number: +65 9777 0529

Birthday: 08 Aug 1997

Nationality: Singaporean

LinkedIn: <https://www.linkedin.com/in/sooian/>

## EDUCATION

### National University of Singapore

Aug 2019 - May 2023

Bachelor of Computing (Honours) in Computer Science - GPA: 4.75 / 5

University Scholars Programme (USP)

### Singapore Polytechnic

Apr 2014 - May 2017

Diploma in Information Technology - GPA: 3.946 / 4

## EXPERIENCE

### Carousell - Backend Engineer Intern

May 2020 - Aug 2020

- Implemented chat flow for automated conversion of unsold listings to free items using Golang and gRPC
- Benchmarked potential Golang libraries regarding Multi Pattern String Matching
- Developed REST APIs for automated querying of logs using Django

### National University of Singapore- Teaching Assistant

Aug 2020 - Present

- Teaching CS1101S (Programming Methodology) to freshmen

### Singapore Polytechnic - Adjunct Lecturer

May 2019 - Feb 2020

- Taught Node.js web development such as MVC and database integration with MySQL to over 20 students.
- Taught Asp.Net Core api server development and hosting with Amazon Web Services to over 20 students.

### Singapore Management University - Software Developer

Feb 2017 - Jun 2017

- Built a web scraper with Python to collect research data for SMU LARC researchers
- Integrated with Elasticsearch and RabbitMQ to store research data

### KEYfields Pte Ltd - Software Development Intern

Oct 2016 - Feb 2017

- Developed lifecycle management system using Asp.Net 2 for over 2000 crops in Panasonic's vertical farm
- Integrated ENets API for membership payment feature in Singapore Cranes Association

## NYX INTELLIGENCE - CO-FOUNDER AND TECHNICAL LEAD

Nyx Intelligence is a IT consultancy I founded with 2 other partners in 2017. Below are some of the projects we did on top of our studies.

### PolicyXchange.com - Software Developer

Aug 2018 - Present

- Developed an insurance website to provide Customer Relationship Management to Agents with 1600+ verified unique users using Asp.Net Core 2.1 for the backend server, Vue.js, and Azure for hosting

### Singapore Polytechnic - Software Developer

Jan 2020

- Built a scheduler using Node.js to send weekly chat logs of Singapore Polytechnic's chat bot from Google Cloud Storage to the Student Service Department via Elastic Email

## ACTIVITY & AWARDS

### Singapore Digital Scholarship Recipient

Aug 2019 - Present

Awarded IMDA SG:Digital Scholarship (Undergraduate).

### SEED Student Interest Group

Apr 2014 - Present

Mentor students in Singapore Polytechnic School of Computing.

### Microsoft Imagine Cup 2016

Mar 2016

National Champions under Innovation Category out of 65 entries.

## Technical Skills

JavaScript, C#, Golang, Java, Python, C++, C, Asp.Net Core, Node.js, Express.js, Vue.js, gRPC, HTML, CSS, MSSQL, MySQL, Git, Azure