

# JOHN, PAN YONGJING

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## About

A final year student from the National University of Singapore (NUS) pursuing a double major in Industrial & Systems Engineering and Computer Science. I am also currently working part-time remotely for a startup in San Francisco Bay Area. I am passionate about software engineering and development. I seek to continue improving myself and aspire to be in positions where a penchant for challenge and the desire to perform is required.

## Technical Skills

### Programming Languages

Python, Java, Javascript, Typescript, C#, etc

### Web Development Frameworks

Flask, Django, React, Angular, jQuery, etc.

### DevOps Tools

Git, Docker, Kubernetes, CircleCI, Terraform, Selenium, Google Cloud Platform

## Education

### National University of Singapore

Aug 17 – Present

- Bachelor of Engineering, Honors
- Double Major in Industrial and Systems Engineering and Computer Science
- NUS Overseas Colleges Program
- Ridge View Residential College Program
- Current Grade: 4.49/5.00
- Expected Date of Graduation: May 2021

### Stanford University

Aug 18 – Jun 19

Taking courses under the Stanford Center for Professional Development (SCPD) as part of NUS Overseas Colleges Program

- MS&E178 The Spirit of Entrepreneurship
- MS&E472 Entrepreneurial Thought Leaders Seminar
- MS&E233 Simulation

### Hanyang University

Jul 18 – Jul 18

Summer Exchange Program in Hanyang International Summer School

- ISS1013 Project Management
- ISS1041 Engineer and Society
- ISS1081 Korean Language 1 (Beginning)

## Extracurricular Activities

### Financial Director, Industrial and Systems Engineering Club

- Represent the Club in all businesses and transactions
- Administer the budgets and claims for all Club events

### Welfare Head, Ridge View Residential College House Committee

- Organized various House events during the school term
- Responsible for the welfare of more than 110 residents

## Experience

### Software Developer, eIQ Mobility

Aug 19 – Present

- Proficient in Python and building RESTful API using Flask
- Work on build automation and CI/CD pipelines
- Build and manage the integration testing workflow for the application
- Knowledge of infrastructure concepts, understanding of Docker, Kubernetes, etc.
- Develop and manage the deployment architecture of application on Google Cloud Platform

### Digital Solutions Intern, DNV GL

May 19 – Jul 19

- Work on the development of data pipelines and analytics using Kafka, Spark and Databricks.
- Exposure to machine learning and deep learning frameworks i.e. Tensorflow, Keras, scikit-learn.
- Involved in full-stack web development using Angular, ASP.NET Core and MongoDB.
- Familiarized with Agile Scrum Framework and Microsoft Azure environment.

### Resident Assistant, Ridge View Residential College

Jul 18 – Jul 19

- Responsible for daily administrative and welfare issues faced by residents
- Assisted in maintaining a living and learning environment which is safe and well-governed

### Undergraduate Teaching Assistant, NUS School of Computing

Jan 19 – May 19

- Appointed as lab teaching assistant for the course CS2030 (Programming Methodology II)
- Topics include Object-oriented Programming and Functional Programming taught in Java

### Business Development Intern, Fidelium Group

Dec 18 – Jan 19

- Conducted market research on potential investment opportunities in the South East Asia region
- Prepared pitch decks targeted at helping client companies from Laos begin their IPO processes
- Produced fact sheets of potential clients and business partners

### Undergraduate Research Assistant, Virtual NUS

Jun 18 – Aug 18

- Assisted the research team in the collection of geographic data
- Introduced to ArcGIS, a Geographic Information System software

### Undergraduate Research Assistant, NUS ISEM Department

Dec 17 – Jan 18

- Assisted on a project involved in the integration of all NUS online student service platforms
- Proposed and developed the schematics of potential application features and functions

### Administrative Assistant, Joanne Choo Language Centre

May 17 – Jul 17

- Handled administrative duties i.e. attendance tracking and managing finances
- Produced assignments for students and assisted in the marking of their assignments

## Projects

### Chrome Extension Developer, TR3002 New Venture Creation

Feb 20 – Jul 20

- Build a web plugin to help online shoppers by recommending the best payment option during checkouts and online transactions.
- Picked up skills of building Chrome extensions using basic HTML, CSS and Javascript.

### Backend Web Developer (Python, Django), NUS Orbital 2018

May 18 – Sep 18

- Completed an Apollo 11 (Advanced) project by developing a web application using Django framework
- Handled the server-side implementation of the application, managed the authentication features, and maintained the database in the system

### Project Director, NUS-ISEM Business Analytics Case Competition 2019

Aug 18 – Feb 19

An annual case competition event aimed at promoting the Industrial and Systems Engineering discipline among pre-University students

- Oversaw the planning and preparation of the event
- Provided mentorship for the new organizing committee
- Led the brainstorming and design of the CASE question
- Programmed the simulation (in Python) to evaluate participants' submissions

### Vice Project Director, NUS-ISEM Business Analytics Case Competition 2018

Jan 19 – May 19

- Planned and managed the event for more than 230 participants
- Designed the quantitative case question tackling the Dial-A-Ride Problem
- Generating the question data, programming the simulation (in Python)