

# Ding Feng Wong

SOFTWARE ENGINEER · AI & ML ENTHUSIAST

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## Education

### Tokyo Institute of Technology(Titech)

Tokyo, Japan

B.S. IN COMPUTER SCIENCE

Sept. 2019 - Feb. 2020

- Japan Student Services Organization(JASSO) Scholarship

### National University of Singapore(NUS)

Singapore, Singapore

B.S. IN COMPUTER SCIENCE

May. 2016 - May. 2020

- School of Computing Award Scholarship

## Links

### GITHUB

GITHUB.COM/TOMATOCREAM

### FACEBOOK

FACEBOOK.COM/DINGFENGW

### TELEGRAM

T.ME/WONGDINGFENG

### LINKEDIN

DING-FENG-WONG-5A8B5115

## Coursework

NATIONAL UNIVERSITY OF SINGAPORE(NUS)

- Machine Learning
- Planning and Decision Making
- Deep Learning
- Software Engineering
- Design and Analysis of Algorithms
- Operating Systems
- Computer Networks

## Skills

### General Programming

Languages: **Javascript** **Python** **Java**  
**C** **C++** **Haskell**  
**Emacs-lisp**  
Markup: **Orgmode** **Markdown** **LaTeX**  
Environment: **NixOS** **ArchLinux** **Ubuntu**  
**Debian** **CentOS7**  
Hypervisor: **Proxmox** **KVM** **Qemu**

### Machine Learning

Languages: **Python**  
Tools: **Jupyter** **Scikit** **Numpy**  
**TensorFlow** **Keras** **Pandas**  
**OpenCV**

### Web Development

Languages: **Javascript** **Python**  
Javascript: **Node.js** **Express** **React**  
**Material-UI** **Socket.IO** **Redux**  
**MongoDB** **GraphQL**  
Python: **Flask** **Django**

### General Tools

Tools: **Emacs** **Vim**

## Summary

Singaporean, eligible for **H-1B1-Singapore-Visa**. Current undergraduate at the **National University of Singapore(NUS)**. Specializing in Artificial Intelligence. Uses Linux as a daily driver and loves making things!

## Work Experience

### JPMorgan Chase & Co.

Singapore, Singapore

May. 2019 - Aug. 2019

SOFTWARE ENGINEERING SUMMER INTERN

- Developed frontend using **Angular 7**.
- Wrote backend in **Java Springboot** with **Swagger** to work easily with users.
- **Dockerized** application for consistent deployment.
- Give talk on practical uses of functional programming in **NixOS**

### Works Applications Co., Ltd.

Singapore, Singapore

May. 2018 - Aug. 2018

FULL STACK DEVELOPER AND SOFTWARE ENGINEERING INTERN

- Attained **Star Performer Best Employee Award** for contributions to microservice manager called **Gandalf**.
- Developed a GUI using **Electron** and **React** to implement GPG(RFC4880) to encrypt files.
- Maintained current and developed new microservice manager using **Node.js** and **flask**.
- Other tools: **UDP Socket Programming**, **Socket.IO**, **MongoDB**, etc.

### Download.NUS

Singapore, Singapore

May. 2017 - Present

SERVER ADMIN

- Maintain an opensource mirror server using **CentOS**

## Projects

### Auto Manga Colourisation Deep Learning Project

Singapore, Singapore

Jan. 2018 - May. 2018

AUTO MANGA COLOURISATION DEEP LEARNING PROJECT

- Won **1st Runner-Up** in NUS's 12th School of Computing Term Project Showcase (steps).
- Trained a **neural network model** to add colour to sketches.
- A combination of **Unet**, **VGG-19** and **Generative Adversarial Networks(GANs)**.

Languages: **Python** Environment: **ArchLinux** **Ubuntu**  
Framework: **TensorFlow** **Keras** Tools: **Emacs** **Unet** **VGG-19** **GANs**  
**Jupyter** **Git** **OpenCV**

### Gandalf Microservice Manager @ Works Applications

Singapore, Singapore

May. 2018 - Aug. 2018

SOFTWARE DEVELOPER

- Attained **Star Performer Best Employee Award** due to contributions.
- Maintained current Microservice Manager built with **Flask** and **React**.
- Rewrote the whole Microservice Manager in **Node.js**.

Languages: **Python** **Javascript** Environment: **ArchLinux** **Ubuntu**  
Framework: **Flask** **Express** Tools: **Emacs**  
Others: **Socket.IO** **Mongodb**

## Honors & Awards

INTERNATIONAL

2011 **Finalist**, RoboCup International

Singapore

DOMESTIC

2018 **Star Performer Best Employee Award**, Works Application Co., Ltd.

Singapore

2018 **1st Runner-Up**, CS6101 Deep Learning, School Term Project Showcase(STEPS)

Singapore

2013 **1st Runner-Up**, SembCorp Water Technology Prize

Singapore

2011 **Best Mechanical Design**, RoboCup Singapore

Singapore