

# Ding Feng Wong

SOFTWARE ENGINEER · AI & ML ENTHUSIAST

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## Education

### 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
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### Other Hacking Interests

Hardware:	Raspberry PI	Arduino
	ESP8266	Teensy
Electronics:	Mosfets	LEDs
Software:	Home Assistant	
Others	3D Printing	CNC
	Woodworking	Welding

## 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

SOFTWARE ENGINEERING SUMMER INTERN

May, 2019 - Aug. 2019

- 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

FULL STACK DEVELOPER AND SOFTWARE ENGINEERING INTERN

May, 2018 - Aug. 2018

- 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

SERVER ADMIN

May, 2017 - Present

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

## Projects

### Auto Manga Colourisation Deep Learning Project

Singapore, Singapore

AUTO MANGA COLOURISATION DEEP LEARNING PROJECT

Jan. 2018 - May. 2018

- 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
				Git
				VGG-19
				OpenCV
				GANs

### Gandalf Microservice Manager @ Works Applications

Singapore, Singapore

SOFTWARE DEVELOPER

May, 2018 - Aug. 2018

- 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