

# Zhiheng Liu

< zaynjarvis@gmail.com > < +65 8309-9012 > < github.com/zaynjarvis >

## EDUCATION

### Nanyang Technological University

Aug 2017 – May 2021

B.Eng. in Electrical and Electronic Engineering CGPA 4.94/5.00

### University of California, Los Angeles

July 2018 – Sep 2018

Study Abroad, Summer Study *Operating System, Web Development*

## WORK EXPERIENCE

### Software Engineer – Narus Knowledge Pte. Ltd

Singapore

Feb 2019 – Oct 2019

- Developed a full-stack automated and intelligent legal knowledge management platform. The product is used by over 400 users in Singapore. *Angular, Node.js, MongoDB, Elasticsearch, Nginx, Docker*
- Designed and implemented a multi-match fuzzy string searching algorithm to achieve featured strings extraction from long articles. *longest common substring, Levenshtein algorithm, Typescript*

### Software Engineer Intern – Visa Inc.

Singapore

May 2019 – Aug 2019

- Enhanced server monitoring platform with process and file system monitor, facilitated over 100 employees per month for monitor deployment. *Java Spring, Activiti, Angular, MongoDB*
- Created a web application which benefits around 40 employees to search for internal shared knowledge, documentation and articles. *Angular, MongoDB, Elasticsearch*

## DEVELOPMENT PROJECTS

### NTUVibe

*team project*

July 2018 – Present

- Built NTU course schedule generator. Contributed to open source project *NTUVibe* gain more than 1000 hits in peak days, benefiting over 500 NTU students and staff to check course timetable in calendar apps. *React.js, Python scraper*

### NTULearn Tweak

*individual project*

May 2018 – Oct 2018

- Developed a Chrome extension to enhance NTU student course platform with eye-pleasing UI and customizable background, benefiting more than 70 NTU students. *Chrome Extension*

## CO-CURRICULAR & VOLUNTARY ACTIVITIES

### Chair of HackOSS Committee – NTU Open Source Society

Singapore

Jun 2019 – Present

- Organized a community to help over 100 student developers form project groups to learn new skills, solve real-life problems, and improve problem-solving capability.

### Initial Core Team – NTU Developer Student Club

Singapore

Oct 2019 – Present

- Led technical project, conducted technical workshops to help NTU students learn to code.

## SKILLS

Node.js – Typescript – Golang – Python – Java – C++ – React – Angular – Flutter

Elasticsearch – Nginx – Docker – Kubernetes – Travis – MongoDB – Redis – Linux

## AWARDS & ACHIEVEMENTS

SM2 Scholarship, Dean's List (2017 - 2019), BAML Code to Connect champion, DBS pShift global hackathon 2<sup>nd</sup> place.