Zhiheng Liu

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EDUCATION

Nanyang Technological University   08/2017 – 06/2021

B.E. in Electrical and Electronic Engineering   *GPA 4.9/5.0*

University of California, Los Angeles   07/2018 - 09/2018

Study Abroad, Summer Study   *Circuit Theory, Web Development*

EXPERIENCES

Software Engineer – Narus Knowledge Pte. Ltd   Singapore   02/2019 – Present

- 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*
- Designed and implemented a multi-match fuzzy string searching algorithm to achieve featured strings extraction from long articles.   *longest common string, Levenshtein algorithm, Typescript*

Software Engineer Intern – Visa Inc.   Singapore   05/2019 – 08/2019

- Enhanced corporate-level server monitoring platform with features like process and file system monitor, automated ticket submission, and alarm notification.   *Java Spring, Activiti, Angular, MongoDB*
- Designed and developed an internal search that benefits the team of 40 members to search for internal knowledge, documentation and articles.   *Angular, MongoDB, Elasticsearch*

Software Engineer Intern – SDI Academy   Singapore   05/2018 – 07/2018

- Developed Dr. English Mobile App prototype to complete for the *Singtel Future Maker* project.   *Flutter*

ACTIVITIES

Chair of HackOSS Committee – NTUOSS   Singapore   06/2019 – Present

- Built a community of more than 50 coders to help NTU students get involved with solving real-life problems and improve problem-solving capability with programming.

Technical Director – NTUOSS   Singapore   06/2018 – 06/ 2019

- Conducted coding workshops on React, Emacs, and Flutter. Helped more than 300 audiences to learn coding.

PROJECTS

NTUVibe   *team project*   07/2018 – Present

- Developed NTU course schedule generator. Helped the web app gain above 1000 hits in peak days, benefiting all the NTU students to check course timetable in calendar apps.   *React.js*

NTULearn Tweak   *individual project*   05/2018 – 10/2018

- Developed a Chrome extension to enhance NTU student course platform with better UI design, customized background, and message forwarding functionality, benefiting more than 70 NTU students up to now.   *Chrome Extension*

AWARDS

Science and Engineering Scholarship, Dean's List (2017 - 2019), Bank of America Merrill Lynch, *Code to Connect* champion.