

# WANG, CHIH-HAO

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## EDUCATION

### Waseda University

*Bachelor of Computer Science (International Program) – GPA 4.00/4.00*

Activities: English Speaking Society, Presentation delivery to high school visitors

Honors: Scholarship for Successful International Examinees, Global Leader Support Scholarship

Tokyo, Japan  
Graduating Aug 2020

### National University of Singapore

*One-year university exchange program*

Coursework: Data Structures and Algorithms II, Software Engineering, Design and Analysis of Algorithms, Introduction to Artificial Intelligence, Database Systems, Information Retrieval

Singapore  
Aug 2017 – May 2018

## EXPERIENCE

### Waseda University – Teaching Assistant for Introduction to Programming course

Apr – Aug 2017

- Interfaced with the professor and 60 students to deliver a C programming course.
- Provided programming consultation in English, Japanese and Chinese during non-class hours.

### Nagase Bros Inc. – Web Designer

Feb – Apr 2016

- Worked with Adobe Fireworks and Dreamweaver to design websites for advertising.
- Maintained the information websites of different private institutions using HTML and CSS.

## SKILLS

- IT: Java, Python, C (Prior experience), JavaScript, HTML5, CSS3, MongoDB (Prior experience)
- Languages: Mandarin (Native), English (TOEFL: 112/120), Japanese (Upper Intermediate)

## PROJECTS *(more at [github.com/OscarWang114](https://github.com/OscarWang114))*

### WaseTime • [www.wasetime.com](https://www.wasetime.com)

Dec 2017 – Present

Source Code: [github.com/wasetime/wasetime-web](https://github.com/wasetime/wasetime-web)

- Created an unofficial web app for syllabus searching, classroom usage reporting, and bus schedule checking at Waseda University.
- Implemented instant searching and cached the syllabus content in the redux state tree, eliminating unnecessary reloads in a single session.
- **Tools:** Create React App, React, Redux, MongoDB, Express.js, Node.js, Travis CI

### Waseda Syllabus Scraper • [github.com/wasetime/waseda-syllabus-scraper](https://github.com/wasetime/waseda-syllabus-scraper)

Oct 2017 – Present

*Created to provide syllabus, classroom, and building information for WaseTime*

- Created a web scraper for collecting course information from the syllabus database at Waseda University.
- Used MongoDB aggregation framework to extract classroom usage information into multiple collections, reducing classroom search time by more than 90%.
- **Tools:** Python, JavaScript, MongoDB

### LISA: Levels Integrated Secretarial Agent • [github.com/CS2103AUG2017-T13-B1/main](https://github.com/CS2103AUG2017-T13-B1/main)

Aug – Dec 2017

*Five-person team project in Software Engineering course at the National University of Singapore*

- Created a 14K LoC desktop managerial application for life insurance agents.
- Designed an original model expressing one-to-many relationships between a person and life insurances using UUID and JavaFX data structures.
- **Tools:** Java, JUnit, Gradle, Travis CI

### Simple Chat App • [github.com/OscarWang114/SimpleChatApp](https://github.com/OscarWang114/SimpleChatApp)

Apr – May 2017

*Created an online chat room integrated with Google Maps*

- Used Google Maps API to display chat messages on an info window positioned at the user's current geolocation.
- **Tools:** Bootstrap, jQuery, Node.js, Express.js, Socket.IO, Google Maps API