WANG, CHIH-HAO

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EDUCATION

Waseda University   Tokyo, Japan
Computer Science, BS (International Program) – GPA 3.96/4.00   Sep 2015 – Apr 2020
Activities: English Speaking Society, Emcee of 2 joint English discussions between universities
Honors: Scholarship for Successful International Examinees, Global Leader Support Scholarship

National University of Singapore   Singapore
One-year university exchange program   Aug 2017 – May 2018
Coursework: Information Retrieval, SQL Database Systems, Data Structures and Algorithms II,
Design and Analysis of Algorithms, Introduction to Artificial Intelligence, Software Engineering

EXPERIENCE

Yahoo! – *E-commerce Backend Engineer Intern*   Jul – Aug 2018
- Created RESTful APIs and negotiated with designers and frontend developers in a scrum team.
- Increased throughput by 274% with 95th percentile response time less than 200ms using Redis master and slave replication.
- Scaled the project with load balancing and boosted performance using proxy caching.
- **Tools:** Node.js, Swagger, Apache Traffic Server, Redis, MySQL, JMeter, Screwdriver.cd

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 Brothers Inc. –*Web Designer Intern*   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: Python, Java, HTML5, CSS3, JavaScript, SQL Databases, MongoDB
- Languages: Mandarin (Native), English (TOEFL: 112/120), Japanese (Upper Intermediate)

PROJECTS *(more at github.com/OscarWang114)*

WaseTime • www.wasetime.com   Dec 2017 – Present
Personal Project – Source Code: github.com/wasetime/wasetime-web
- Created a MERN stack informational web application for Waseda University students, which has acquired more than 2,000 users.
- Implemented instant search and eliminated reloads by caching content in Redux state tree.
- **Tools:** React, Styled Components, Redux, MongoDB, Express.js, Node.js, Travis CI

Waseda Syllabus Scraper • github.com/wasetime/waseda-syllabus-scraper   Oct 2017 – Present
Personal Project – Created to provide syllabus and classroom information for WaseTime
- Created an automated web scraper to collect information from the syllabus database at Waseda University.
- Used MongoDB aggregation framework to extract classroom usage information into multiple collections, reducing search time by more than 90%.
- **Tools:** Python, JavaScript, MongoDB, Travis CI, Shell script, Cron

LISA: Levels Integrated Secretarial Agent • github.com/CS2103AUG2017-T13-B1/main   Aug – Dec 2017
Five-person Project – Created a 14K LoC desktop managerial application for insurance agents
- Developed, tested, and released the product using a Scrum-based methodology.
- Designed a model expressing one-to-many relationships using JavaFX data structures.
- **Tools:** Java, JUnit, Gradle, Travis CI