WANG, CHIH-HAO

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EDUCATION

Waseda University Tokyo, Japan
Computer Science, BS (International Program) – GPA 3.96/4.00 Sep 2015 – Sep 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.

PUBLICATION

Chih-Hao Wang, Sosuke Kato, Tetsuya Sakai . "RSL19BD at DBDC4: Ensemble of Decision Tree-based and LSTM-based Models" – *12-page version to appear in the Proceedings of IWSDS 2019, full version at arXiv:1905.01799*

SKILLS

- IT: Python, Java, HTML5, CSS3, JavaScript, SQL Databases, MongoDB
- Languages: Chinese (Native), English (TOEFL: 112/120), Japanese (Advanced)

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

WasedaTime • www.wasedatime.com Dec 2017 – Present
Open Source Project – Source Code: github.com/wasedatime/wasedatime-web
- Created a MERN stack informational web application for Waseda University students, which has acquired around 4,000 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/wasedatime/waseda-syllabus-scraper Oct 2017 – Present
Open Source Project – Created to provide syllabus and classroom information for WasedaTime
- 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