

Zheng Wei Tan

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE

BS IN COMPUTER SCIENCE

Expected May 2020

CAP: 4.14/5.0

Awarded NUS Merit Scholarship

NUS HIGH SCHOOL

Grad. Dec 2013

CAP: 4.3/5.0

Honours in Mathematics and Physics

LINKS

Github: github.com/zhengwei143

LinkedIn: [in/zheng-wei-tan-12142b68](https://www.linkedin.com/in/zheng-wei-tan-12142b68)

COURSEWORK

UNDERGRADUATE

Data Structures and Algorithms

Operating Systems

Computer Networks

Software Engineering

Software Product Engineering for

Digital Markets (CS3216)

Artificial Intelligence

Machine Learning

Interaction Design

Computer Graphics

SKILLS

PROGRAMMING

Experienced

Java • JavaScript • Ruby

Python • SQL

Familiar

C • C++

Frameworks

Rails • React

PROJECTS AND WORK EXPERIENCE

COMPUTING FOR VOLUNTARY WELFARE ORGANIZATIONS

A Summer program where selected students work in teams to build applications for voluntary welfare organizations to help them serve the community better

May 2018 – August 2018 | Software Engineering Team Leader

Lead a team of students in two software development projects

- Management of team members' workloads and code quality with code reviews
- Management of the project timeline and features provided to clients
- Handled the data migration and deployment of application instances for 2 Counselling Centres
- The applications that were developed helped to shift their workflows for data management away from excel spreadsheets to a more intuitive user interface

May 2016 – August 2016 | Software Engineering Team Member

Maintained and implemented new features on a web application

- The application is a case management system that is currently being used by 3 Counselling Centres to manage their clients' data and enhance workflow, assisting them with their daily activities.

Built a mobile web application

- Used by welfare volunteers to create and send reports after checking up on their beneficiaries at their homes

WU LI HAO PTE LTD

A suite of applications (2 mobile and 1 desktop applications) built for Wu Li Hao Pte Ltd, a local noodles manufacturing and logistics company, to handle end-to-end workflows from customer orders to product deliveries.

- Built the admin desktop application used by their admin staff to handle all of their work requirements
- This enhanced their workflows involving the management of customers, products, placement of orders, invoicing and deliveries

EXPERIMENTAL SYSTEMS AND TECHNOLOGY LAB

May 2017 - July 2017 | Software Engineering Intern

- Worked on Coursemology - a platform for teachers to create online courses
- Implemented C/C++ and Java code evaluation for programming questions (used by high schools and NUS Computer Science modules - e.g. CS1010X, CS2040) to facilitate teaching and learning

TETRIS AI

Built and trained a tetris AI for a school module (CS3241) to clear as many lines as possible

- Wrote a genetic algorithm to train the AI over the course of a few weeks
- Managed to clear >10 million lines and placed 2nd within the module.

CS1010X PROGRAMMING METHODOLOGY

Jan 2017 - June 2017, Jan 2018 - June 2018 | Tutor

- Grading of assignments and providing feedback to students

AWARDS

2013 Silver Award Singapore Science and Engineering Fair