

WEE LUN CLARENCE KOH (Mr.)

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE (NUS)

Aug 2018 – Dec 2022

Bachelor of Computer Science (Specialising in Database System and Computer Graphics)

- Current Cumulative Average Point (CAP): 4.00 / 5.00

MERDIAN JUNIOR COLLEGE A Levels: 3 Distinctions

Jan 2013 – Nov 2014

INTERNSHIPS/WORK EXPERIENCE

Avant Credit Corporation

Apr 2021 – Aug 2021

Full Stack Developer Intern

- Maintained and improved ZX, an internal customer management tool used by the company to handle customer-related issues using ReactJS and Django
- Worked on developing integrations for SendGrid and Sanity on company's backend ecosystem
- Developed an iOS force upgrader to facilitate movement of customers to the company's new application

Zero Financial Inc.

Jan 2021 – Apr 2021

Full Stack Developer Intern

- Maintained and improved ZX and Level Web as part of the company's acquisition process
- Worked on integrating Lob API into our backend systems as part of Zero's program closure, facilitating the sending out of checks worth over \$250,000

Waffle Point of Sales

Jul 2020 – Jan 2021

Software Engineer Intern (Backend)

- Developed and maintained the REST APIs in ExpressJS for the Point-of-Sale System introduced by the company
- Led Quality Assurance testing for companies' product

National University of Singapore

Aug 2020 – Present

Undergraduate Teaching Assistant and Research Assistant

- Taught fundamental principles for Software Engineering to a group of 10 students
- Wrote shadow mapping methods in C++ using NVIDIA GameWorks' Falcor Framework for comparison with modern Ray-Tracing techniques. My comparative analysis was adopted as part of a Work-in-Progress Submission to Pacific Graphics 20

NUS Engineering Design and Innovation Centre

Dec 2019 – Jan 2020

VR Developer Intern

- Spearheaded the development of firefighting simulator in Oculus Quest, using Unity

POPPEG

Feb 2019 – Apr 2020

Co-Founder

- Conceptualized and pitched a mobile application for preserving memories, successfully clinching the \$10,000 Innovation & Entrepreneurship (I&E) Practicum Grant from NUS
- Set up web infrastructure for company's website using JavaScript, HTML5, and CSS
- Developed customized AR products using Unity with esteemed clients

NodeFlair

Dec 2018 – May 2019

Junior Software Engineer

- Worked on the User Interface elements of the company's profile builder website using ReactJS
- Developed a PDF generator which generates a user's profile into a resume, using jsPDF

PROJECTS

MediVR

SGTech-SoC Innovation Prize (Team Category), 1st Place

https://isteps.comp.nus.edu.sg/event/cs4240/module/AY2019-20+Semester_2+Task_1/project/4

- Led the development of the VR project, using Oculus Quest, for the National University Hospital Singapore to increase accessibility of consultation trainings available to Orthopaedic residents
- Deployed all novel hands-tracking features in the application, successfully allowing residents to perform a pivot shift test on a virtual patient's leg

30HFC Climate Action Challenge

Self-initiated marketing campaign for World Vision Singapore

- Conceptualized and developed an AR game for World Vision Singapore
- Pitched and convinced the organization to adopt the game as part of marketing efforts for their climate action challenge programme, which saw an increase in participation of about 100 participants

ORGANISATIONAL EXPERIENCE

Ministry of Defence, Singapore Armed Forces

Feb 2015 – Oct 2017

Artillery Officer, 3rd Battalion Singapore Guards

- Syndicate Best in 02/17 Guards Conversion Course for Commanders
- Company Best Recruit in Basic Military Training for Outstanding Leadership

CAPT Coffee Club

Aug 2019 – Aug 2020

Co-President

- Pitched and acquired new sponsorships from Tiong Hoe Coffee Roasters to obtain subsidized rates for coffee supplies

VOLUNTEERING

- Self-initiated, individual volunteering expedition to Vung Tau, Vietnam, where I planned 5 days of activities for the one of the orphanages under the care of Blessed Discoveries
- Planned and taught a coding fundamentals curriculum in Scratch for over 200 students in Dream School Foundation, Bangalore, India, as part of a volunteer expedition trip with the College of Alice and Peter Tan, NUS.

SKILLS / ADDITIONAL INFORMATION

- Programming Skills: Java (Proficient), ExpressJS, NodeJS, SQL, Unity C#, HTML5, CSS, ReactJS, C++
- Dance: 4th Placing in a National Competition for B-boying
- Environment Enthusiast: Featured in TODAY newspaper for an article I wrote, suggesting gamification of efforts by an esteemed supermarket chain to reduce waste

<https://www.todayonline.com/voices/infuse-gaming-elements-efforts-reduce-plastic-use>