





## EXPERIENCE

<b>National University of Singapore, Undergraduate Teaching Assistant</b> Taught CS2103T Software Engineering (Spring 18) Reviewed pull requests from students to encourage good software engineering practices.	Jan 2017 - Present
<b>Government Technology Agency of Singapore (GovTech), Data Engineer Intern</b> Implemented and released public APIs for Data.gov.sg portal using Node.js with AWS Lambda and DynamoDB. Minimized AWS Lambda costs by benchmarking, profiling and optimizing slow-running Node.js scripts. Developed and deployed SMS-based medicine reminder solution targeted at middle-aged users.	Dec 2017 - Jan 2018
<b>Ethereum Tech, Freelance Web Developer</b> Created the front-end of a cryptocurrency mining analytics dashboard with Vue.js. Suggested and implemented improvements to user experience from client's original design.	Oct 2017 - Dec 2017
<b>Ministry of Defence (Singapore), Personnel Systems Analyst</b> Simulated and analysed personnel movement using complex system dynamics simulations. Wrote VBA macros and SQL queries for Microsoft Access, Excel and Word.	Dec 2014 - Aug 2016
<b>Alpha Consulting Engineers Private Limited, System Administrator</b> Administered Windows servers and clients using IIS and Active Directory. Redesigned homepage using HTML5, CSS and JavaScript. Implemented features in the intranet page using jQuery, PHP and MariaDB/MySQL. Decompiled and modified legacy JavaServer Pages application.	Mar 2014 - Jul 2014

## EDUCATION

<b>National University of Singapore</b> Bachelor of Computing in Computer Science. GPA: 4.70/5.00 (First Class Honours)	Aug 2016 - Present
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## PROJECTS

 <b>Pear</b> Progressive Web App (PWA), iOS and Android app where users matchmake their friends. Led front-end development using Vue.js and Cordova. Released app to iOS App Store and Google Play Store, hit 300 users within 24 hours. Source: <a href="https://github.com/Pear-App/pear-client">github.com/Pear-App/pear-client</a> , Info: <a href="#">11th STePS submission</a>	Oct 2017 - Nov 2017
 <b>collaborate!</b> Real-time collaborative webapp that simulates a table top discussion. Led front-end development using React + Redux and Socket.io. Wrote and deployed back-end using Node.js and Koa. Source: <a href="https://github.com/goweiwen/collaborate">github.com/goweiwen/collaborate</a> , Demo: <a href="https://collaborate-app.herokuapp.com">collaborate-app.herokuapp.com</a>	Jun 2017 - Aug 2017
 <b>vue-swing</b> Vue.js component for swiping cards left and right, as seen in apps like Jelly and Tinder. Published on NPM and actively maintained. Source: <a href="https://github.com/goweiwen/vue-swing">github.com/goweiwen/vue-swing</a>	Oct 2017 - Present
 <b>ivle-sync</b> Automatically downloads files, announcements and webcasts from NUS's IVLE portal. Created and maintained application built in Python 3. Source: <a href="https://github.com/goweiwen/ivle-sync">github.com/goweiwen/ivle-sync</a>	Aug 2016 - Present

## AWARDS

<b>Yale-NUS Data 2.0 Datathon, First Place</b> Studied viability of ride sharing in Singapore compared to public transport regarding carbon emissions using R.	Mar 2018
<b>NUS 11th School of Computing Term Project Showcase (11th STePS), Second Place</b> Pear won 2nd prize in NUS's 11th STePS for CS3216 Software Product Engineering for Digital Markets.	Nov 2017
<b>NUS Orbital Programme 2017 (Apollo 11), Honorable Mention</b> collaborate! won an honorable mention in the advanced category of NUS School of Computing's Orbital 2017.	Sep 2017
<b>FOSSASIA 2017 Microsoft Mission Mars Challenge, Second Prize</b>	Mar 2017
<b>DMG Excellence Award (Individual)</b> Awarded by the Defence Management Group to individuals who have displayed exemplary attitude towards work.	Mar 2016

## SKILLS

**Languages:** Python JavaScript HTML/CSS Haskell Golang Kotlin Scala Ruby Java PHP SQL  
**Front-end:** Vue.js React.js Elm Angular jQuery Vanilla JS  
**Back-end:** Node.js Express/Koa Django Flask Golang Ruby on Rails Laravel PHP  
**Data Science:** NumPy Pandas R Keras TensorFlow