Wei Wen, Goh

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Education

National University of Singapore — Aug 2016 - Present
Bachelor of Computing in Computer Science. GPA: 4.70/5.00 (First Class Honours)
Tutor for CS2103 Software Engineering (Spring 2018)

Singapore Polytechnic — Apr 2011 - Apr 2014
Diploma in Chemical Engineering. GPA: 3.67/4.00
Diploma-Plus Certificate in Engineering Mathematics and Science

Professional Experience

Government Technology Agency of Singapore (GovTech), *Data Engineer Intern* — Dec 2017 - Jan 2018
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.

Ethereum Tech, *Freelance Web Developer* — Oct 2017 - Dec 2017
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.

Ministry of Defence (Singapore), *Personnel Systems Analyst* — Dec 2014 - Aug 2016
Simulated and analysed personnel movement using complex system dynamics simulations.
Wrote VBA macros and SQL queries for Microsoft Access, Excel and Word.

Alpha Consulting Engineers Private Limited, *System Administrator* — Mar 2014 - Jul 2014
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.

Projects

Pear — Oct 2017 - Nov 2017
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: github.com/Pear-App/pear-client, Info: 11th STePS submission

collaborate! — Jun 2017 - Aug 2017
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: github.com/goweiwen/collaborate, Demo: collaborate-app.herokuapp.com

vue-swing — Oct 2017 - Present
Vue.js component for swiping cards left and right, as seen in apps like Jelly and Tinder.
Published on NPM and actively maintained.
Source: github.com/goweiwen/vue-swing

ivle-sync — Aug 2016 - Present
Automatically downloads files, announcements and webcasts from NUS's IVLE portal.
Created and maintained application built in Python 3.
Source: github.com/goweiwen/ivle-sync

Awards and Achievements

Yale-NUS Data 2.0 Datathon, *First Place* — Mar 2018
Studied viability of ride sharing in Singapore compared to public transport regarding carbon emissions using R.

NUS 11th School of Computing Term Project Showcase (11th STePS), *Second Place* — Nov 2017
Pear won 2nd prize in NUS's 11th STePS for CS3216 Software Product Engineering for Digital Markets.

NUS Orbital Programme 2017 (Apollo 11), *Honorable Mention* — Sep 2017
collaborate! won an honorable mention in the advanced category of NUS School of Computing's Orbital 2017.

FOSSASIA 2017 Microsoft Mission Mars Challenge, *Second Prize* — Mar 2017

DMG Excellence Award (Individual) — Mar 2016
Awarded by the Defence Management Group to individuals who have displayed exemplary attitude towards work.

Preferred Technologies

Languages: Python, JavaScript, HTML/CSS, Haskell, Golang, Kotlin, Swift, Rust, Scala, Java, PHP, SQL
Technologies: Vue.js, React.js, Angular, jQuery, Elm, Node.js, Django, Laravel, Keras, TensorFlow