

SUNG KUK GO (SEAN GO)

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SKILLS/TECHNOLOGIES

Languages

C/C++, Python3, Javascript (ES6), MIPS, Shell, Bash, HTML5, CSS3, PostgreSQL + PL/PgSQL.

Technologies

WSL2 (Ubuntu), React, React Native, Flask, Axios, Heroku, Bootstrap, LATEX, Git (Github, Gitlab), Firebase, Postman, PyQt5, Anaconda.

Other

Agile, CI/CD, HTTP, REST APIs, Websockets, TCP/IP, Async/Await, Threads & Concurrency, OOP, CRUD, KISS & DRY principles.

EDUCATION

University of New South Wales (UNSW)

2020 - Present

Bachelor of Computer Science - AI major

Cumulative WAM: 85.5 (High Distinction)

North Sydney Boys Selective High School

2014 - 2019

High School Certificate

EMPLOYMENT

Junior Developer

2021 - Present

ShopGrok Pty Ltd

- ◊ Build and perform web crawler scheduling, monitoring and maintenance
- ◊ Extract XML and JSON data with XPath and HTTP requests
- ◊ Perform data processing with regex

Academic Tutor

2016 - 2021

Edu-Kingdom College

- ◊ Tutor private and medium-sized classes.

- ◊ Teach preliminary and HSC students in Mathematics and English.

VOLUNTEERING/ EXTRA-CURRICULARS

Research Volunteer

2021

UNSW

- ◊ Utilise QBF and SAT solvers to assess time complexity of Bule encodings.
- ◊ Encode P and NP complete problems in Bule especially naive vs sequential encodings of vertex cover.

Grievance Officer

2021

UNSW Vinnies Society

- ◊ Resolve conflict between internal members.
- ◊ Work with executive team to manage society.

Events Subcommittee Member

2020

UNSW Vinnies Society

- ◊ Help organise volunteering events for society.
- ◊ Create banners for volunteering events.

Childcare Volunteer

2016-2017

Normanhurst OOSH Care

- ◊ Supervise children in designated areas.
- ◊ Clean centre after shift when required.

PROJECTS

FutureSpace

2021

- ◊ Predict client attrition using multiple regression.
- ◊ Create back-end with Flask and Axios.
- ◊ Create front-end with React and Bootstrap.
- ◊ Utilise REST APIs, Pandas, Sklearn, Statsmodel.
- ◊ Deploy on Heroku and Firebase.

Tic Tac Toe AI App

2020

- ◊ Create mobile app using React Native and Expo.
- ◊ Utilise NPM, functional components and hooks.
- ◊ Perform internal, alpha and beta tests.
- ◊ Publish on Google Play.

VS Code Extension for Bule

2020

- ◊ Create syntax highlighter with Yeoman + VSCE.
- ◊ Utilise TextMate Grammar and Regex.
- ◊ Publish on VS Code Marketplace.

ACHIEVEMENTS

- ◊ J.P. Morgan Software Engineering Virtual Work Experience Program (2020)
- ◊ Placed 3rd in Penrith Eisteddfod Pianoforte Certificate/Diploma Championship (2019).
- ◊ Achieved High Distinction in Mathematics Challenge for Young Australians (Challenge) (2017).
- ◊ Achieved Distinction in Mathematics Challenge for Young Australians (Enrichment) (2016).
- ◊ Achieved High Distinction in ICAS Mathematics (2016).

REFEREES

Available upon request.