

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), SSH, React, React Native, Flask, Threading, Scrapy, Sockets, Axios, Heroku, Bootstrap, L^AT_EX, Git (Github, Gitlab), Firebase, PyQt5, Anaconda (Pandas, Numpy, Matplotlib).

Other

Agile, CI/CD, REST APIs, 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.