

# SUNG KUK GO (SEAN GO)

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## SKILLS/TECHNOLOGIES

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### Languages

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

### Technologies

WSL2 (Ubuntu), React, React Native, Flask, Axios, Heroku, Bootstrap, L<sup>A</sup>T<sub>E</sub>X, 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

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### 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

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### Junior Developer

2021 - Present

ShopGrok Pty Ltd

- ◇ Build and perform web crawler scheduling, monitoring and maintenance
- ◇ Build and maintain ETL workflows
- ◇ 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

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### 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

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### 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, Fuctional 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

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◇ 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

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Available upon request.