

# 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, L<sup>A</sup>T<sub>E</sub>X, Git (Github, Gitlab), Firebase, Postman, PyQt5.

### Other

Agile, CI/CD, REST APIs, OOP, 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

## RESEARCH

### A Strategy-game Approach to Solving Logic Formulas

2020 - Present

- ◊ Utilise QBF and SAT solvers to assess time complexity of Bule encodings.
- ◊ Encode P and NP complete problems in Bule.

## EXPERIENCE/EMPLOYMENT

### 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

### UNSW Annual Hackathon

2020

- ◊ Lead a team of three.

- ◊ Create mock up using Figma for presentation.

- ◊ Design architecture diagrams for presentation.

### 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

### Grievance Officer

UNSW Vinnies Society

2021

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

### Events Subcommittee Member

UNSW Vinnies Society

2020

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

### Childcare Volunteer

Normanhurst OOSH Care

2016-2017

- ◊ 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.