

# 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

### Bule - SAT Language

*2020 - Present*

- ♦ Train under Dr. Saffidine and Valentin
- ♦ Assess Bule encodings in terms of time complexity and compactness of boolean expressions.
- ♦ Encode P and NP complete problems in Bule.

## EXPERIENCE/EMPLOYMENT

**Junior Developer** *2021 - Present*  
**ShopGrok**

- ♦ 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 Virtual Experience Program (2020)
- ♦ UNSW Shared Value 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.