

# SUNG KUK GO (SEAN GO)

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**Website:** <https://seanskgg0.web.app/>    **Github:** <https://github.com/seanskgg072>

## SKILLS/TECHNOLOGIES

Language	Lines of code
C/C++	11 k
Python3	9 k
Javascript (ES6)	8 k
PostgresSQL + PL/PgSQL	4 k
MIPS	2 k
Shell Scripts	2 k

Other:

WSL2(Ubuntu), React, React Native, Flask, L<sup>A</sup>T<sub>E</sub>X, Git(Github, Gitlab), Firebase, Postman, PyQt5.

## EDUCATION

### University of New South Wales (UNSW)

2020 - Present

Bachelor of Computer Science - AI major

Cumulative WAM: 85.5

### North Sydney Boys Selective High School

2014 - 2019

High School Certificate

## RESEARCH CONTRIBUTION

### Efficacy of Bule as a SAT language

December 2020 - Current

- ◇ Bule is a Boolean Satisfiability (SAT) language under development by several UNSW professors.
- ◇ Currently assessing the efficacy of Bule in terms of time complexity and compactness of boolean expressions compared to other SAT languages.

<https://github.com/AbdallahS/pspace-encodings>

## EMPLOYMENT

### Edu-Kingdom College Academic Tutor, Hornsby

2016 - Present

Private and class tutor ◇ Grades 2-12 ◇ Preliminary and HSC preparation in Mathematics and English ◇ Homework help.

### Casual Junior Team Member - Gelatissimo, Hornsby Westfield

2017

Prepare/refill, sculpt and serve gelatos ◇ customer service ◇ cleaning and disposal of rubbish.

## VOLUNTEERING/ EXTRA-CURRICULARS

- Executive at UNSW St Vincent De Paul Society - Grievance Officer (2021)
- Subcommittee Member at UNSW St Vincent De Paul Society - Events Team (2020)
- Childcare Volunteer, Normanhurst Out-Of-School-Hours (OOSH) Care (2016 - 2017)

## PROJECTS

**Tic Tac Toe AI App** December 2020  
Javascript (ES6) ◇ React Native ◇ Expo ◇ NPM ◇ SVGs ◇ Functional components ◇ Hooks ◇ WSL ◇ Internal, alpha, beta testings ◇ Google Play.

<https://github.com/seanskgg072/tic-tac-toe-app>

**VS Code Extension for Bule** May 2020  
Javascript (ES6) ◇ Yeoman ◇ Vsce ◇ TextMate Grammar ◇ NPM ◇ Javascript regex ◇ WSL ◇ VS Code Marketplace.

<https://github.com/seanskgg072/vscode-bule-syntax-highlighting>

**Text Analyser** August 2020  
C ◇ WSL ◇ multi-file management ◇ string matching ◇ AVL Tree ◇ Display top, frequent words.

<https://github.com/seanskgg072/Text-Analyser>

## ACHIEVEMENTS

- Penrith Eisteddfod Pianoforte Certificate/ Diploma - Championship: 3rd Place (2019)
- Mathematics Challenge for Young Australians (Challenge) - High Distinction (2017)
- Mathematics Challenge for Young Australians (Enrichment) - Distinction (2016)
- ICAS Mathematics - High Distinction (2016)

## REFERENCES

Available upon request.