

SUNG KUK GO (SEAN GO)

Personal: seanskg72@gmail.com ♦ Sydney, Australia

Website: <https://seanskggo.web.app/> **Github:** <https://github.com/seanskggo72>

SKILLS/TECHNOLOGIES

Languages

C/C++, Python3, Javascript (ES6), MIPS, Shell Scripts, PostgreSQL + PL/PgSQL.

Technologies

WSL2 (Ubuntu), React, React Native, Flask, Axios, Heroku, Bootstrap, L^AT_EX, 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 CONTRIBUTIONS

Efficacy of Bule as a SAT language

2020 - Present

♦ Assess the efficacy of Bule, a new SAT programming language, in terms of time complexity and compactness of boolean expressions.

♦ Provide bug reports directly to professor in charge.

♦ Encode P and NP complete problems in Bule.

EXPERIENCE/EMPLOYMENT

UNSW Annual Hackathon

2020

♦ Lead a team of three.

♦ Create mock up using Figma for presentation.

♦ Design architecture diagrams for presentation.

JP Morgan Virtual Software Internship via InsideSherpa

2020

♦ Utilise WSL, Node (NPM), Python3 for front-end data visualisation.

♦ Create patch files for quote data processing.

Edu-Kingdom College Academic Tutor, Hornsby

2016 - Present

♦ 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

♦ 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.