

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^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

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.