SUNG KUK GO (SEAN GO)

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SKILLS/TECHNOLOGIES

Languages
C/C++, Python3, Javascript (ES6), MIPS, Shell, Bash, HTML5, CSS3, PostgresSQL + PL/PgSQL.

Technologies
WSL2 (Ubuntu), React, React Native, Flask, Axios, Heroku, Bootstrap, LaTeX, 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 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, Fuctional 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.