LAU KAR RUI

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EDUCATION

Bachelor of Computing (Honors) in Computer Science   Singapore
National University of Singapore (Expected Graduation 2020)   2017 to current
CAP: 4.35 / 5.00

Diploma in Business Administration   Singapore
Singapore Polytechnic   2010-2013
GPA: 3.83 / 4.00

PROJECTS

iungo
Java Desktop App

A desktop address book application
- **Software lead** for team of 3 for project using Agile development, in charge of code and tests reviews
- Written in Java, and JUnit 4 for testing
- https://github.com/CS2103AUG2017-F11-B3/main

Taskrr
Full Stack Web App

A task matching web application where users can post tasks or offer bids for completing tasks for monetary compensation
- **Lead developer** of a team of 3 for the front-end of application, ensuring good code structure and modularization
- Ensure RESTful naming conventions
- Implemented framework for easy PostgreSQL query execution
- Written in JavaScript, Node.js, Express.js, jQuery, Bootstrap 3, with PostgreSQL as backend database
- https://github.com/karrui/taskrr

Chope God
iOS Swift App

Proof of concept application where users can reserve seats or meeting rooms and use their phones to see if the spot is reserved
- Application **won "Top 8"** for Hack & Roll 2018, the largest student-led hackathon in Singapore
- Implemented AR function and set up the Firebase backend
- Written in Swift, using ARKit with Firebase as backend database
- https://github.com/karrui/hacknroll2018-ChopeGod

AI Tetris Bot
Java Desktop App

A desktop application where an AI tries to play Tetris without human input
- Implemented various heuristics for machine training
- Maintained OOP and ensured modularization of code
- Written in Java

EXPERIENCE

Teaching Assistant (Introduction to Software Engineering, CS2103)   Jan 2018 – May 2018
National University of Singapore School of Computing
- Review student's weekly progress on their GitHub pull requests
- Topics discussed: OO system analysis, modeling and design, implementation, testing, software engineering principles, forming test cases

SKILLS

Languages: Java, C, Swift, SQL, JavaScript, HTML/CSS
Technologies: git, Node.js, Express.js, jQuery, PostgreSQL, JUnit, Firebase