

DONGYUN KANG

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EDUCATION

UNIVERSITY OF NEW SOUTH WALES (FEB 2016 – DEC 2020)

Bachelor of Electrical Engineering (Honours) & Bachelor of Computer Science

TECHNICAL SKILLS

- Programming: C, C++, Python, Java
- Database: PostgreSQL, MongoDB
- Web Development: JavaScript/HTML/CSS, React, Redux, Node.js, Express.js
- Tools: Git, Google Cloud
- Scripting: MATLAB, Python

PERSONAL PROJECTS

Face Recognition App

- Developed a full-stack image recognition app that uses clarifai API for the face recognition
- Using React and Redux for front-end, and Node.js, Express.js and PostgreSQL for back-end
- Live Demo: <https://smart-brain-app-8338.herokuapp.com/>

Yelp Camp

- Developed a full-stack web app for reviewing campgrounds utilizing RESTful architecture
- Using Bootstrap4, Node.js, Express.js and MongoDB
- Live Demo: <https://yelpcamp8338.herokuapp.com/>

UNIVERSITY PROJECTS

Dungeon-style Puzzles

- Developed a desktop java application for dungeon-style puzzles that lets the user move a player around a dungeon and try to overcome various challenges in order to complete the dungeon by reaching some goals using Java, JavaFX, and GitLab

Distributed Shared Memory

- Implemented user space page-based distributed shared memory system in C that enables a set of processes located on a collection of Linux hosts to share memory pages. Sequential consistency is to be realised using a simple multiple-reader/single-writer scheme implementing a write-invalidate policy

An Online Healthcare Appointment Management System

- Developed an online HAMS that streamline the process of patients booking healthcare appointments and general practitioners sending referrals to specialists as a university group project using Python, HTML, CSS, Flask and GitHub