RICHARD LIM

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I am ready to demonstrate my excellent work ethic. Being a fast learner with respectable problem-solving skills, I would adapt quickly to a fast-paced working environment. I want to engineer impactful solutions to real-world problems, and to do so in an environment that values teamwork and innovative thinking

LANGUAGES

C, C++, MySQL, CSS, HTML, Javascript, Python, MATLAB

TOOLS

IDEs

Visual Studio Code, Eclipse, Geany, Quartus, Android Studio

Software

Microsoft Office Suite, AutoCAD

Operating systems

Windows, Unix (Debian)

COURSEWORK

Algorithms & Data Structures, Object oriented design (C++), Digital systems design

AWARDS

3rd place in the IEEE RC Classic 2019, Autonomous Vehicle Division

HOBBIES

Badminton
Fishing
PC Games

EDUCATION

UofT SCS Coding Boot Camp — Nov 2020 – May 2021
Certificate in Full Stack Development
Achieved an overall average of 90%

British Columbia Institute of Technology — Jan 2015 - May 2019
Bachelors of Engineering, Electrical Engineering
Graduated with distinction

WORK EXPERIENCE

Tengoku Sushi, Surrey — June 2020 – Present
Server

British Columbia Institute of Technology — June 2018 – Sept 2018
Undergraduate Research Assistant

- Worked on time scheduling and practical throughput of Bluetooth Low Energy projects under supervision of Dr. John Dian and Dr. Amirhossein Yousefi
- Conducted experiments with BLE121-LR modules

Jung-Lim, South Korea — Jan 2016 – Sept 2016
Customer Representative

- Installed and maintained automated poultry feeding systems
- Responded promptly to customer inquiries

PROJECTS

RAEVN Heatmap System — Jan 2019 – April 2019

- Designed and implemented BLE mesh network powered data acquisition system
- Developed C++ data acquisition solution for RPI
- Implemented database solution through MariaDB

OpenCV Maze Crawler — June 2017 – Sept 2017

- Built a Raspberry Pi controlled autonomous vehicle to navigate through a maze using real-time image processing algorithms
- Processed Pi Camera visual data using OpenCV C++

https://www.linkedin.com/in/sungjoon-lim | https://github.com/Lim95
https://lim95.github.io/lim-react-portfolio