

Kai Xia

Portfolio | LinkedIn

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TECHNICAL SKILLS

Languages : Java, Python, C, C#, MatLab

Back End : SpringBoot, PostgreSQL, MySQL, SQL Server, REST, Microsoft Azure, AWS

Front End : React Native, AngularJS, JavaScript, TypeScript, HTML, CSS

Tools : Git, GitLab, Jira, Confluence, Postman, Linux Server, MS Power Automate/Apps/pages

EXPERIENCE

• Junior Software Developer

Jan 2022 - Aug 2022

IMI Material Handling Logistics

Ottawa, ON

- Developed and improved a people management platform IOS app using **React Native, Python, PostgreSQL, Azure Cloud**
- Built and managed with **REST APIs** to retrieve and display data from database
- Designed and draw **ER Diagram** for new feature tables using Lucidchart
- Researched and practiced the feasibility of integrating **BambooHR, Microsoft Power Apps, Power Pages and Power Automate** into workflow of employee forms
- Assisted to address IT tickets using **Zendesk, Microsoft 365 admin center**

• Software Development and Test Intern

Feb 2019 - Aug 2019

Autowise.ai

Shanghai, China

- Monitored and operated remotely of autonomous sweeper trucks using **Linux and ROS** commands
- Recorded and reported daily cleaning issues and data to **Jira** and **Confluence**
- Developed and optimized a **Python** automatic script for recording vehicle cleaning data

• IT Summer Intern

July 2018 - Sept 2018

Uisee Technologies Zhejiang Co., Ltd

Jiaxing, China

- Designed and developed some features in Vehicle Information System using **Java SSH framework, MySQL**
- Migrated and configured the simulation software environment from another Branch using **Linux, ROS** commands

• IT Support Volunteer

Oct 2021 - Present

Ottawa Chinese Community Service Centre

Ottawa, ON

- Responded quickly and efficiently to solve Zoom connectivity issues to ensure that youths can attend the class
- Collaborated with other team members to assign students to breakout rooms correctly

EDUCATION

• Master of Engineering in Electrical and Computer

Sept 2019 – June 2021

Carleton University

Ottawa, ON

• Bachelor of Engineering in Software Engineering

Sept 2015 – June 2019

Jiaxing University

Jiaxing, China

PROJECTS

- Twitter Customer Feedback Analysis:** Classified and analyzed recent twitter posts with hashtag RBC to pre-detect customer's feedbacks using **TF-IDF sklearn library, MySQL**
- Sensor Fusion Algorithm:** Implemented the fusion algorithm of several sensor data using **C language** based on this [*IEEE paper*](#)
- Lung Nodule Detection:** Applied image processing methods on CT images to improve the results of lung nodule detection
- RGB-Depth Camera SLAM Project:** Collected indoor data and implemented 3d reconstruction based on **RGBSLAM_V2 frame**