

## Guang Yang

Richmond BC Tel: 778-233-9428 Email: [guangyang.roland@gmail.com](mailto:guangyang.roland@gmail.com)

GitHub: <https://github.com/gyang55?tab=repositories>

## Skills

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Programming Languages: Java, Python, JavaScript, C

Web Development: React, jQuery, Node.js, Express, Flask

Database: MySQL, MongoDB, Firebase

Methodologies: RESTful API, Web MVC, OOD, Agile/SCRUM, Software Development Life Cycle

Others: Git, JIRA, Linux

## Work Experience

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2022/01 - 2022/09 Junior Software Developer (part time)  
943Tech <https://www.943tech.com/>

- **Web development:** Design and implement frontend pages in HTML/CSS/JS, VUE, API development.
- **Database development:** Database design and implement CRUD in Java.
- **Achievement:** Official web, Smartnext Edu (WeChat mini program)

2018/01 - 2021-01 Junior Telecommunications Engineer

China Railway Signal and Communication Survey & Design Institute co., Ltd

- **System design:** Design VOIP system architecture, interfaces, and functions according to client requirements.
- **Documentation:** Document system design deliverables in English
- **Collaboration:** Work with managers and other system designers to address technical issues.
- **Achievement:** Israel Tel Aviv Light Rail Red Line

2015/08-2017/12 Marketing Specialist

China Railway Signal and Communication Survey & Design Institute co., Ltd

- **Research:** Conduct market research identifying potential new projects
- **Interpersonal skill:** Communicate and maintain good relationship with clients
- **Documentation:** Draft bidding document and contract

## Software Projects

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2022/10 **Web App - Portfolio website**

Tech stack: React, Node.js, Express, MongoDB, HTML/CSS

Website: <https://www.guangyangroland.com/>

In  
Progress

**Web app** – Data Collection feature for SISA Energy Inc  
**Tech stack:** React, python, Flask, PostgreSQL, HTML/CSS  
**Features:** Allow users to upload images and backend automatically fill in required input fields.  
**Contribution:** 1. Use Figma to design UI. 2. Use React to build frontend pages. 3. Use Flask to add Rout in backend. 4. Use Python library to extract texts from uploaded images. Etc.  
Source code is not available due to NDA agreement.

2022/06

**Web app** – Find a Coach  
**Tech stack:** Vue, Firebase, HTML/CSS  
**Features:** 1. Allow users to register as coaches. 2. Display all the registered coaches. 3. Filter coaches by expertise. 4. Contact coach and leave messages.  
**Contribution:** All the features.  
weblink: <https://find-a-coach-208e6.web.app/>

2022/05

**Data Base Design and Implementation** – Data Base Prototype  
**Tech stack:** ASP.NET Core, c#, MySQL  
**Features:** 1. CRUD operations. 2. Display related records from referenced tables. 3. Search records by keywords. 4. Sort displayed records by date.  
**Contribution:** 1. Lay down business rules. 2. Create ERD 3. Create data dictionary 4. Create models and implement CRUD for three tables.

2022/04

**Android app** – Room Wrangler  
**Tech stack:** Java, xml  
**Features:** 1. User authentication 2. Display study rooms. 3.Filter rooms based on size and date. 4. User Account  
**Contribution:** 1. Display rooms in Recycler view. 2. Filter rooms. 3. Room booking.

2022/04

**Android app** – Fun with card  
**Tech stack:** Flutter, Dart  
**Features:** 1. Create card deck using API 2. Draw cards from card stack. 3.Display drawn card in a new page. 4. Return drawn cards back to card deck  
**Contribution:** All the features

## Education

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2022/12

Diploma- Computer Systems Technology  
British Columbia Institute of Technology, Vancouver, BC. Canada

2015/06

Master – Business Administration  
Memorial University of Newfoundland, St. John's, NL. Canada

2012/06

Bachelor - Management and Marketing of Textiles  
University of Manchester, Manchester, UK