

# Guang Yang

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

## Summary

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- Proficient in web application development from front-end design to back-end API implementation.
- Good at Android application development with Java and xml.
- Passionate about software development with demonstrated R&D abilities and proactively learn and apply new language and technology.

## Work Experience

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| 2022/01 -<br>2022/09 | <p><b>Junior Software Developer (part time)</b><br/>943Tech <a href="https://www.943tech.com/">https://www.943tech.com/</a></p> <ul style="list-style-type: none"><li>• <b>Web development:</b> Design and implement frontend pages in HTML/CSS/JS, VUE, API development.</li><li>• <b>Database development:</b> Database design and implement CRUD in Java.</li><li>• <b>Achievement:</b> Official web, Smartnext edu (WeChat mini program)</li></ul>  |
| 2018/01 -<br>2021-01 | <p><b>Junior Telecommunications Engineer</b><br/>China Railway Signal and Communication Survey &amp; Design Institute co., Ltd</p> <ul style="list-style-type: none"><li>• <b>System design:</b> Design VOIP system architecture, interfaces, and functions according to client requirements.</li><li>• <b>Documentation:</b> Document system design deliverables in English</li><li>• <b>Collaboration:</b> Work with managers and other system designers to address technical issues.</li><li>• <b>Achievement:</b> Israel Tel Aviv Light Rail Red Line</li></ul> |
| 2015/08-<br>2017/12  | <p><b>Marketing Specialist</b><br/>China Railway Signal and Communication Survey &amp; Design Institute co., Ltd</p> <ul style="list-style-type: none"><li>• <b>Research:</b> Conduct market research identifying potential new projects</li><li>• <b>Interpersonal skill:</b> Communicate and maintain good client relationship</li><li>• <b>Documentation:</b> Draft bidding document and contract</li></ul>  |

## Software Projects

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2022/10

**Web App** – Personal 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

2022/04

**Web app** – Numeral Converter Clone

**Tech stack:** HTML CSS JavaScript

**Features:** Convert positive and negative decimal numbers into other numeral system such as Binary, Hexadecimal, Octal decimal, and IEEE 754.

**Contribution:** All the features except convert to IEEE 754.

## Skills

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Programming Languages	Java, Python, JavaScript, C
Web Development Tech Stack	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

## Education

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2022/12	<b>Diploma – Computer Systems Technology</b> British Columbia Institute of Technology, Vancouver, BC. Canada
2015/06	<b>Master - Business Administration</b> Memorial University of Newfoundland, St. John's, NL. Canada
2012/06	<b>Bachelor – Management and Marketing of Textiles</b> University of Manchester, Manchester, UK