**BRUCE JUNHUA ZHOU**

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LinkedIn:Top of Form [www.linkedin.com/in/junhua-zhou-927812182](http://www.linkedin.com/in/junhua-zhou-927812182) Bottom of Form

GitHub: <https://github.com/madadudu>

**SUMMARY OF QUALIFICATIONS**

* Full stack programmer from Seneca College with all the latest techniques.
* Supreme understanding and working knowledge of OOP, Java, C++, Python, and experience in building and managing REST APIs.
* Strong interpersonal skills with the ability to provide support to students.
* Great communication skills both fluent in English and Mandarin and the ability to work in very diverse cultures and credentials.
* Great at solving problems, debugging, troubleshooting, designing, and implementing solutions to complex technical issues.

**EDUCATION**

***Computer Programming (CPP)*** Completion April 2021

* Ontario College Diploma

Seneca College - School of Software Design & Data Science

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| **Languages** | C++ (Advanced); JavaScript (React, jQuery, Angular); Java; Python; HTML5; CSS; SQL; |
| **Database** **Technology** | Oracle; DB2/400; MySQL; MS SQL Server; MongoDB; |
| **Operating Systems** | Windows 10; MS-DOS; UNIX/Linux; IBM OS/400 |
| **Software** | Visual Studio; Visual Studio Code; PuTTY; Eclipse IDE; IBM Development Studio Client; IBM iSeries Access for Windows. |

**EXPERIENCE**

Seneca Learning Center | Newnham, ON

Tutor | *March/2020 – May/2020*

* Provided in-person instruction to students to help them prepare for weekly exams, including reviewing student’s coding and sharing study tips.
* Responded to students inquires and gather student feedbacks.
* Assisted in assembling lesson plans to administer to students and keep them on track with assignments.

**PROJECTS**

**Object-Oriented Programming Milestone (C++)**

Link: [**https://github.com/madadudu/MileStone\_Project**](https://github.com/madadudu/MileStone_Project)

* The project simulates an assembly line that fills customer orders from inventory.
* Working with vector and queue containers from the Standard Template Library.

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**PROJECTS continued**

* Creating objects to support the parsing of input files to setup and configure the assembly line simulation.

**Bootstrap 4 "Blog" Website (React & Angular)**

Link: [**https://junhua-bootstrap-4-react-angular-app.netlify.app/home**](https://junhua-bootstrap-4-react-angular-app.netlify.app/home)

* The project was designed with the latest user interface design and API implementation.
* The major feature of this website is to enable the creation, modification and deletion of blog posts using with a UI within the app.
* Using Angular for development and prototyping of a useable and scalable Blogging system.
* Website contains a back-end API to manage the blog posts in MongoDB Atlas database as well as wire up the application to use a single service to manage the data and it will also enable users to view more than a single blog post by clicking on it from the main "blog" page.

**Client-Server RMI (Java)**

* This project was designed to provide RMI in Java and includes concepts such as Networking, RMI, and Serialization.
* By using Networking in Java, a mechanism was created to establish a distributed application.
* RMI allows the client to invoke methods on an RMI server running in another JVM.
* Converting the objects to a byte stream and reverted into a copy of the object in the server by using Serialization.

**Multi-Activities App (Java)**

* This project was made to handle Multi-Threaded programming in Java and includes concepts such as Threads, Guarded Blocks, and Synchronization.
* The app can run a single process in less time because the guarded blocks secure the process can be continued and distinguish the result without catching other threads.
* Synchronization provides production support, participating in testing within the project cycle, all blocks are synchronized on the same object and have only one thread executing inside them at a time.

**Live Tracking App (React)**

Link: [**https://junhua-covid-19-tracker-react-app.netlify.app/**](https://junhua-covid-19-tracker-react-app.netlify.app/)

* This project was created using the most modern JavaScript syntax and includes Material UI, Charts.js, React Hooks, and API data fetching.
* The project was fetched with the live data from the API using Async and Await syntax, showing the statistics in the Cards and the Charts.
* The project also shows different cases from different components with live date by using React Hooks.

References Available Upon Request.