

QingZe Luo

<https://qzkasoma-luo.github.io>

<https://www.linkedin.com/in/qingze/>

<https://github.com/QZKasoma-Luo>

EDUCATION

University of Victoria, Victoria, BC

Sept 2020 – Present

Bachelor of Science, Computer Science, 3rd year

Strathmore high school, Strathmore, AB

Sept 2017 – Jun 2020

Alberta High School Diploma

TECHNICAL SKILLS

Programming:

- Languages: Java, Python, Vue.js and C

Tools

- Operating Systems: Windows, Ubuntu, and Mac OS
- Environment: Microsoft Visual Studio Code, Atom

TECHNICAL PROJECTS

Change-Over-Time Dashboard

Jan – Jun 2023

Reference: <https://github.com/QZKasoma-Luo/Change-Over-Time-Web-Page>

The Changeover Dashboard is a dynamic web application developed using Vue CLI and Web.Net. It serves as a dashboard for monitoring factory machines and calculating changeover times required for production line setup.

- Developed a web application for monitoring and analyzing changeover times.
- Implemented Vue.js and Web.Net for real-time data retrieval and display.
- Leveraged Element UI and Echarts for effective data visualization.

CSC225 – Algorithms and Data Structures I

May – Aug 2022

Reference: <https://github.com/QZKasoma-Luo/CSC-225-Assignments>

- Basic techniques for design, analysis, implementation of algorithms and data structures.
- Foundations: Random access machine model, time and space complexity, worst-case analysis, upper and lower bounds.
- Basic data structures: stacks, queues, linked lists. Sorting: elementary sorting algorithms, merge sort, quicksort, priority queues.
- Searching: Binary search trees, balanced search trees, hash tables.
- Graphs: undirected and directed graphs, graph traversals and applications, topological sort.

Seng 265 – Software Development Methods

May – Aug 2022

Reference: <https://github.com/QZKasoma-Luo/Seng265-Assignment>

- Systematic methods for designing, coding, testing, and documenting medium-sized programs. Topics include specifications, code review and inspection techniques, testing and debugging methods and tools, file system navigation, scripting languages, software tools, environments, instrumenting and profiling and the fundamentals of software configuration management.

OTHER WORK EXPERIENCE

Production Planning Support – Nicholson Manufacturing Ltd, Sidney, BC, Canada

Sep - Dec 2022

- Develop a basic understanding and capability in the Enterprise Resource Planning software system.
- Create, compile, distribute, and close production work order packages.
- Assist with project documentation, Bill of Materials, and material selection.
- Assist Manufacturing Engineering and other duties as required.

Engineering Technician – Flextronics, Zhuhai, Guangdong Province, China

Jan – Jul 2023

- Determines system specifications, input/output processes and working parameters for hardware/software compatibility, and coordinates design of subsystems and integration of total system.
- Designed a real time dashboard of the production line status by using Vue.js.

REFERENCE

Available on request.