

## SKILLS

Java 8

JavaScript

SQL

C

C++

C#

Visual Studio

IntelliJ

Eclipse

Git

OOP

Data Structures

Algorithms

Design Patterns

## EXPERIENCE

### **Robotics Programmer/ Electrical Designer (ABI Ltd)**

**November 2017 - Current**

- Designed UL certified control system for bakery automation including responsibilities from control logics planning, schematic designing, part selecting and purchasing, PLC/HMI/Vision programming and on-site/remote commissioning
- Assisted in development of Katana, a robotic bread scoring control software
- Programmed ABB robot using RAPID language in product pick and place, ultrasonic blade bread scoring, and waterjet patterning
- Performed simulation using RobotStudio for production rate verification, mechanical limitation verification, and potential robotics capability demonstration
- Composed check lists and SOP for equipment design process
- Generated test result reports of robotics scoring testing on customer specifications and requirements

### **Mechanical Designer/ Test Technician (Paragon Systems)**

**April 2017 – November 2017**

- Designed/assembled/installed vibration fixtures to accommodate various products for vibration testing
- Assisted customers for specific testing procedures under specifications
- Performed, monitored, and logged for numerous types of mechanical tests
  - Vibration test, BSR sound testing, thermal shock, environmental aging, and cyclic corrosion.
- Generated detailed test result reports for customers

## EDUCATION

### **University of British Columbia - 2016**

BASc Mechanical Engineering, Mechatronics Specialization

**2016 Undergraduate Student Leadership Award** by UBC Mechanical Engineering Department