

# VOLKAN AYTAÇ

Kitchener, ON

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Phone: (647) 939-0635

## OBJECTIVE

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To obtain a position in a maintenance where knowledge of mechanical, electrical, hydraulics and pneumatics, PLC, and problem-solving skills can be applied by considering safety standards.

## SUMMARY OF SKILLS

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- Working as maintenance mechanic to point out root causes and fixing them by applying mechanical, electrical, PLC, hydraulic, pneumatic knowledge. Registered as Millwright apprentice at Conestoga College.
- Reporting all details to maintenance manager and next shift to keep projects going.
- Acquired general knowledge of robots and robotic cells. ABB, Fanuc, Kuka, and Motoman robots have been programmed as a welder, pick and place, deburring, and palletizing stations.
- Strong knowledge of debugging and commissioning electrical circuit elements. Got used to designing the parameters of electrical circuits from beginning to end.
- Understand safety circuits and standards and keep them a core idea while working.
- Have advanced PLC understanding and programming ability. Worked with the PLC of Allen-Bradley and Siemens to automate the system. PLC has also been used to export, import, store and manipulate data.
- Proven ability to supervise fluid power and fluid circuit elements. Different kinds of fluids circuits are designed and used in the field.
- Acted as a leader and team player of seven and three classmates to complete assignments on time. Motivated, encouraged and helped them if it was required.
- Likes having challenging projects and tasks while working with multi-disciplinary teams.
- Self-motivated, confident, and fast learner. Professional work and college projects were done on time.
- Certified Forklift and Scissor Lift Operator. Experienced with lift operation for maintenance and installation tasks following all safety standards.

## EDUCATION

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### Industrial Mechanic (Millwright)

May 2023 – Present

Conestoga College, Cambridge, ON

- Describe and safely use rigging equipment for the purpose of moving industrial machines
- Identify, select, install and maintain metals, standard machine tools, fasteners, lubricants, cutting and non-cutting tools, transmission system components, industrial pumps, valves and piping, bearings and seals.

### Robotics and Industrial Automation

Jan 2022 – April 2023

Conestoga College, Cambridge, ON

- Hand-on experience on robots and automation equipment such as PLC, HMI and robots
- Learning, testing, and improving knowledge of automation systems components, such as hydraulic, pneumatic, and electrical components.

### Bachelor of Mechanical Engineering

2020

Middle East Technical University, Ankara, Turkey

## **VOLKAN AYTAC**

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### **PROFESSIONAL EXPERIENCE**

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#### **Maintenance mechanic**

May 2023-Present

CGL Manufacturing, Guelph, ON

- Reading blueprints, diagrams and schematic drawings to determine work procedure.
- Using forklift, scissor lift and zoom boom if necessary
- Installing, troubleshooting, and maintaining power transmission, hydraulic and pneumatic systems, and PLC.
- Troubleshooting, installation, maintenance, repair and service of PLCs, motors, controls, generators, transformers, instrumentation, switchgear, batteries, lighting, regulators, and alternators.

#### **Mechanical Engineering-Fixture Designer**

Sept 2022-April 2023

Steelcraft Inc.- Cambridge Location, ON

- Participated in the engineering team, and possible solutions for problems are discussed regularly.
- Designing manual fit-up and weld-off fixtures with SolidWorks. Standard materials, production capacity, and schedule are considered during the design stage.
- Robotics welding fixture is designed. The Motoman welding robot has been programmed with offline programming and adjusted to the actual robot cell.
- Setup and Work instructions are created for fixtures to make it clear to anyone else.

#### **Mechanical Technician**

April 2020 - August 2021

Next Level Robotics, Ankara, Turkey

- Troubleshooting and repairing robotic cells
- Power tool machines and measuring tools used to install and relocate robotic cells.
- Repair and service the PLCs, motors, controls, and generators.
- Reading blueprints, diagrams and schematic drawings to determine what needs to be fixed.

### **OTHER EXPERIENCE**

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Volunteer at Go ENG Girl

11 November 2022

Conestoga College

- Basic functions of robotic movements were taught to high school students.

Private Tutor

Sept 2014 – January 2020

Ankara, Turkey

- Teaching and explaining skills were improved.

### **INTEREST**

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- Playing chess
- Learning new things and being up to date as much as possible
- Hanging out with family and friends
- Watching the working of the system that I am part of it.