Viet Duy Le

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SUMMARY OF QUALIFICATIONS

- Mechanical Engineering & Computing Technology Graduate, University of Ottawa (bilingual program)
- Proficient in a variety of 3D design software, including AutoCAD, Solidwork, and skilled in Model-Based design with Simulink, Multisim, Tinkercad, MATLAB
- Proficient in hand-sketching and basic drawing following by ability of reading blueprints
- Having great knowledge and experience in using Arduino to build a complete system
- Skilled in a diverse range of programming languages such as Python, C, C++, Java, Prolog, and Go, with the ability to quickly adapt to new languages and paradigms.
- Experience in industrial machining: drilling, milling, TIG welding, MIG welding, laser cutting, 3D printing, and soldering
- Problem solving, teamwork skill developed through five years of experience working on design projects, laboratory work, and part-time jobs
- Familiar with MS Office 365 suites
- Ability to handle light materials, boxes or equipment
- Availability on weekends if needed
- Keen interest in hands-on work, particularly with electronics and small mechanical assembly
- Fluent in English, French and Vietnamese

EDUCATION

Bachelor of Applied Science in Mechanical engineering and Computing technology 2021-2026

University of Ottawa, ON

- Main Projects:
  - Developed a detailed design of a quadruped robot using Solidworks software.
  - Developed a bearing classification system for GBS (General Bearing Service).
  - Designed an adjustable table adaptable to a wheelchair to meet the specific needs of a client suffering from muscular dystrophy.
  - Designed a pendulum system incorporating programmed code to analyze encoder data, thereby enabling automatic oscillation.
  - Designed tire lifting machine for MTS Systems Corporation ground vehicle testing equipment
  - Developed Online Tutoring Appointment Management System
  - Explored the feasibility of applying Micro-Electro-Mechanical Systems (MEMS) technology in LiDAR sensors for Advanced Driver-Assistance Systems (ADAS), by analyzing current market trends and existing technologies.

WORK EXPERIENCE

Mold Design Internship Summer 2023

Vietnam HTMP Mechanical Company, Hanoi, Vietnam

- Collaborated with colleagues in designing molds based on client requirements
- Observed manufacturing processes
- Prepared reports for the supervisor

SKILL AND ABILITIES

- **Research and Analysis Skills:**
  - Conduct comprehensive research to gather user surveys on opinions regarding products in the same field.
  - Collect and analyze information to optimize the product.
- **Design Skills Aimed at Optimizing Production Efficiency:**
  - Constantly seek ways to simplify and speed up the production process.
  - Identify and replace non-essential steps
- **Teamwork Skills:**
  - Organize focus groups to conduct product studies, thereby contributing to the implementation of the design strategy.
  - Ensure effective completion of individual tasks and provide assistance to those encountering difficulties to guarantee progress in group work.
  - Prioritize workplace safety.

LABORATORY SKILLS

- **Technical Drawing & Design:** SolidWorks, AutoCAD, Cura, Tinkercad
- **Manufacturing & Fabrication:** 3D printing, laser cutting, TIG welding, MIG welding, milling machine, wood/metal cutting machine
- **Programming Languages:** Python, C, C++, J Prolog, Go
- **Numerical Computing & Data Analysis:** MATLAB, Excel
- **Web development:** HTML
- **Other Skills:** Writing lab and project reports, research skills for reports, teamwork

CERTIFICATE

- Workplace Hazardous Materials Information System (WHMIS 2015)