

Dat Le

Charlottetown, PE | 403-560-9085 | brianle1002@gmail.com | linkedin.com/in/datle1002

ABOUT ME

- **Education:** Sustainable Design Engineering (majoring Mechatronics) at University of Prince Edward Island | 5-year program
- **Soft Skills:** Leadership | Teamwork | Communication | Organization
- **Hard Skills:** Project management | Robotics design | Programming | Problem-solving | Time management
- **Multiple programming languages:** Python | C++ (Arduino) | PHP | TypeScript
- **Web Development Frameworks and Libraries:** ReactJS | NextJS | PHP | SQL | JavaScript | TypeScript | HTML | Tailwind CSS
- **Cloud Platforms and Tools:** AWS | Oracle Fusion Cloud HCM | Vercel | Git | Self-hosting servers
- **3D design:** SolidWorks

WORKING EXPERIENCE

- **Application Developer** Charlottetown, PE
6/2022 - Present
Lionrock Technology Inc.
 - Gather and document business requirements and configure application modules accordingly.
 - Utilize BI Publisher, Oracle SQL within Oracle HCM Fusion to generate BI reports and provide insights.
 - Enhance client performance by proposing feature enhancements, directly boosting sales by 15% and customer satisfaction.
 - Conduct system integration testing and functional testing throughout the application development life cycle, achieving a downtime reduction to 99%.
- **Research Assistant** Charlottetown, PE
5/2023 - 9/2023
University of Prince Edward Island
 - Developed low-level drivers and contributed to system design in the Robotics Project using Arduino C++, Python, ROS.
 - Played a key role in assembly, calibration, and testing processes, summarizing findings in project reports.
- **Teaching Assistant | Engineering Success Center Associate** Charlottetown, PE
1/2022 - 4/2023
University of Prince Edward Island
 - Prepare materials, graded assignments, and proctored tests in academic settings.
 - Operated machines such as 3D printers and laser CNC to assist students in their projects
 - Provide additional support through assignment assistance, peer tutoring, and skill development workshops for CAD, writing, and analytical skills.

PROJECT EXPERIENCE

- **Ash Pounding Machine Redesign** 9/2023 - 4/2024
 - Lead a school project involving the redesign an ash pounding machine.
 - Enhance operational efficiency and reduce processing time by 50%.
 - Improve safety features, including guards around moving parts and an emergency safety switch.**Experience obtained:**
 - **Hard Skills:** Project Management | Engineering Design | Procurement | Safety Compliance | CAD Design
 - **Soft Skills:** Leadership | Communication | Problem Solving | Teamwork | Time Management
- **PEI Bag Company Workspace Redesign** 9/2022 - 4/2023
 - A school project involving the redesign of the PEI Bag Company's workspace and automated machine to reduce worker strain and improve efficiency.**Experience obtained:**
 - **Hard Skills:** Engineering Design | Safety Compliance | CAD Design
 - **Soft Skills:** Communication | Problem Solving | Teamwork | Time Management
- **Staff Management Website** 1/2023 - 6/2023
 - A website designed for seamless employee time tracking and payroll management, ensuring compliance with the Canadian tax code.
 - Improve efficiency of staff management for small to medium businesses by 20%.**Experience obtained:**
 - **Hard Skills:** Full-stack web development
 - **Soft Skills:** Project management | Problem-solving
- **PEI Task Hub Website** 11/2023 - On-going
 - A commercial website that connects users with service providers.**Technology used:** Vercel | GitHub | NextJS | HTML | Tailwind CSS | PostgreSQL
Experience obtained:
 - **Hard Skills:** Full-stack web development
 - **Soft Skills:** Project management | Problem-solving
- **Fast Mailer Project** 4/2020 - 9/2020
 - A SMTP server and website dedicated to assisting users in avoiding spam emails.**Technology used:** NGINX | PHP | MySQL | HTML | CSS | JavaScript
Experience obtained:
 - **Hard Skills:** Full-stack web development
 - **Soft Skills:** Project management | Problem-solving

REFERENCES

- Mr. Clive Li Lionrock Technology Inc.
Founder & CEO admin@lionrocktech.net
902-330-8556
- Dr. Trung Dung Ngo University of Prince Edward Island
Professor Courses: Mechatronics | Real-time Embedded Systems
tngo@upei.ca
902-566-6078
- Mr. Sandy Doucette University of Prince Edward Island
Fabrication Technician sandoucette@upei.ca