Dat Le

CONTACT INFORMATION
• Phone Number: 403-560-9085   • Email: brianle1002@gmail.com

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*
Lionrock Technology Inc.   *6/2022 - Present*
- 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*
University of Prince Edward Island   *5/2023 - 9/2023*
- 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*
University of Prince Edward Island   *1/2022 - 4/2023*
- 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 | Talwind 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