

Dominic Li

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Technical Skills

- Programming Languages: Python, C, C++, C#, Java, SQL, Perl, MATLAB
- Tools and Software: ETAP, Microsoft Office, Visual Studio, HTML, CSS

Education

University of Calgary, Calgary, AB, Canada
Bachelor of Science, Electrical Engineering
Minor: Computer Engineering, GPA: 3.7

September 2018 – April 2023

Experience

Application Engineer

November 2024 – Present

Schneider Electric

- SCADA system configuration, including HMI design and development, databases, system testing, and on-site support
- Team-based and customer-facing position developing customer reports and documentation
- Software development such as porting, translating, and writing scripts in a variety of languages
- Performed product troubleshooting and network configuration with different communication protocols

Project and Technical Lead (Capstone Project)

September 2022 – April 2023

Calgary Image Processing and Analysis Centre

The objective of the project was to develop a machine learning algorithm for the sponsor to analyze DSA medical images in clinical trials at the Foothills Medical Centre for stroke patients.

- Led a team of five engineering students, achieving 93% algorithm accuracy
- Used neural networks in Python to analyze and extract parameters from medical images
- Organized and delegated workload, and set up weekly meetings and updates
- Coordinated project tasks and timelines, ensuring the completion of all milestones within the project schedule.

Production Planning Analyst

May 2021 – August 2022

Home Depot Canada

- Created and maintained production plans for an operations team of over 300 associates
- Organized and led a six-month engineering time studies project to help increase productivity and create reasonable expectations through the collection of data
- Prepared and presented frequent campus health and general updates to various teams
- Analyzed more than 30,000 lines of data to generate reports and presentations on a weekly basis

Electrical Engineer-in-Training

September 2023 – January 2024

Cognitive Systems Inc.

- Assembled and conducted quality testing on sensitive electronic measurement equipment used in high voltage variable speed drives
- Managed and designed hardware, increasing inventory by 300%
- Created and revised comprehensive engineering documentation, including quality control checklists, installation manuals, and specification documents
- Led the development of Modbus master and slave programs using C#