

Dean A. McIsaac

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PEI Stratford, C1B 2W3

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Summary of Skills & Qualifications

- Knowledgeable in circuitry and circuit building tools, soldering, and prototyping.
- Experienced with use of electrical testing tools such as multimeters and oscilloscopes.
- Proficient with microcontroller programming. (Arduino, Raspberry Pi, FRDM)
- On the job training for AutoCAD and Solidworks software.
- Familiar with 3D modeling software such as FreeCAD and Blender.
- Basic programming skills in C# and C programming languages.
- Well versed with Microsoft products such as Word, Excel, and Project.
- Academic interest and study in Audio Engineering and Signal Transmission.
- WHMIS certified, First Aid and CPR Certified (Renewed in 2022).

Education

BSc. Electrical Engineering | University of New Brunswick | Fredericton, NB | 2018

Electronics Engineering Technology | Holland College | Charlottetown, PE | 2014

Relevant Work Experience

Maintenance Worker (January 2022 – Present) Delta Prince Edward Hotel

Duties: I performed preventative maintenance in guest rooms. Repaired appliances, light fixtures and other room items. Went on rounds around the hotel where I checked the plumbing and the temperature. Responded to guest repair requests as they happen. Performed chemical tests on the pool water. And performed security rounds.

Electrical Engineer-in-Training (January 2020 – January 2021) Frontier Power Systems

Duties: Worked on the control electronics for Frontier's wind turbines. Made electrical drawings in AutoCAD, made 3D layouts in Solidworks and commissioned the control panels. Helped with maintenance of Turbines remotely with monitoring software. Tested and repaired smaller components for control cabinets.

Material Testing Lab Laborer (May - August 2017) PEI Department of Transportation

Duties: Collected pavement samples from asphalt plants around the province, prepared soil and asphalt samples for testing and measurement, helped to create asphalt control tests, measured the different sizes of rocks and grains using sieves (gradation test), and inputted that data into computer records.

Other Work Experience

Deli Clerk (March 2019 - January 2020) Sobeys Charlottetown

Duties: Cooked food for the hot display cases, cleaned the equipment and cooking area, packaged food to store in the freezer, served customers, and restocked supplies.

Shellfish Analytical Lab Assistant (May - August 2016) PEI Department of Agriculture and Fisheries

Duties: Cleaned and maintained boats, collected water samples and prepared them for analysis, set up and retrieved shellfish Spat Traps at various locations around the province.

Data Collector (July - August 2015) PEI Department of Transportation

Duties: Recorded data on all equipment and materials used during each day at the job sites. Worked with a road crew to repair road damage and replace culverts.

Tree Nursery Assistant (May – August 2014) PEI Department of Agriculture Forestry

Duties: Prepared planting sites, planted trees, transplanted saplings, and completed required maintenance on nursery stock.

Watershed Management (July – August 2012) & (July –August 2013) Pisquid River Management Association

Duties: Worked as part of a maintenance crew to enhance water flow, remove barriers, and improve habitat in the watershed.

Farm Worker (June – August 2011) MacKenzie Produce Ltd.

Duties: Harvesting, grading, packaging farm produce. Property maintenance.

Volunteer Experience

Farm worker: Sunny Isle Holsteins, Mermaid, PE. Assisted with the treatment of cattle as well as their care and maintenance. 2012-2020

Guitar Teacher for Youth: 2015-2016

Entertainer: Have provided musical entertainment at numerous churches, seniors' homes and community functions. 2015-2016

References

Carl Brothers, Owner, Frontier Power Systems

Phone: (902) 853-6800

Cbrothers@frontierpowersystems.ca

Nancy Wood, Lab Supervisor, Material Testing Lab

Phone: (902) 388-0003

newood@gov.pe.ca

Dr. Brent Petersen, UNB Professor

Phone: (506) 447-3328

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Mr. Robert Morrison, Instructor EET (retired), Holland College

Phone: (902) 566-9386