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## **Dean A. McIsaac**

992 Donagh Rd. Rte. 257

Donagh PE C1B 0X2

Cell Phone: 902 218-4414

E-mail: damcisaac@gmail.com

## **Education**

### **University of New Brunswick (Fredericton) (2014-2018)**

BSc. Electrical Engineering (Grad May, 2018)

### **Holland College (2012-2014)**

Electronics Engineering Technology (Grad May, 2014)

### **Academic grade 12 (2012)**

Charlottetown Rural High School     Honor Roll Grades 10, 11 and 12

## **Work Experiences**

### **Material testing lab assistant (May – August 2017) Department of Transportation**

Duties: Collecting pavement sampled from asphalt plants around the island, preparing soil and asphalt samples for testing and measurement, helping to create asphalt control tests, measuring the different sizes of rocks and grains using sieves (gradation test), and inputting that data into computer records.

Skills: Working as part of a team, inputting computer data, and written communication.

### **Shellfish analytical lab assistant (May - August 2016) Department of Agriculture and Fisheries**

Duties: Cleaning and maintaining boats, taking water samples and bringing them back to be analyzed, and setting up and retrieving shellfish spat traps at various locations around the island.

Skills: Working as part of a team, not getting sea-sick, and filling out government forms.

### **Data Collector (July - August 2015) Department of Transportation**

Duties: Working with a road crew to repair road damage and replace culverts.

Skills: Working as part of a team, recording supplies and shifting from different tasks quickly.

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

Duties: Prepare planting sites, plant trees, transplant saplings, and complete required maintenance on nursery stock.

Skills: Working as part of a team, meeting tight deadlines, meeting quality standards, care and maintenance of equipment. learning tasks quickly.

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### **Watershed Management (July – August 2012) and ( July –August 2013) Pisquid River Management Association**

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

Skills: Assisting chain saw operators, lifting heavy debris, working as part of a team, learning tasks quickly.

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

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

Skills: Working as part of a team, meeting tight deadlines, meeting quality standards, care and maintenance of equipment. learning tasks quickly.

### **Training**

WHMIS certified, First Aid and CPR Certified, Basic Circuitry and circuit building tools, Basic programming skills in Visual C# and C programming languages. FRDM microcontroller programming.

### **Volunteer Experience**

Farm worker: Sunny Isle Holsteins, Mermaid, PE. Assisted with the treatment of cattle as well as their care and maintenance. Have volunteered many times and continue to help out when asked.

Guitar teacher: Volunteered to teach young people how to play the guitar. Provided approximately 50 hours of instruction.

Entertainer: Have provided musical entertainment at numerous church, seniors' homes and community functions.

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### **Interests**

Fiber optics, Data Communications, CISCO, Music; especially classical and jazz guitar, Reading; especially fantasy, Hunting, Fishing, Camping, Traveling, Solving puzzles, learning to speak German, and cooking.

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## References

Nancy wood, Lab supervisor, Material testing lab  
Phone: (902) 676-7983

Dr. Brent Petersen, UNB Professor  
Phone: (506) 447-3328  
Email: [b.petersen@ieee.org](mailto:b.petersen@ieee.org)

Mr. Robert Morrison, Instructor EET (retired), Holland College  
Phone: (902) 566-9386

Mrs. Tania MacKenzie, Owner, MacKenzie Produce  
Phone: (902) 270-0760