

# AARON FENNEMA

ELECTRICAL ENGINEER/ WEB DEVELOPER

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780.293.3614

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Edmonton, AB

## PROFESSIONAL OVERVIEW

Recent electrical engineer graduate with a Web Application Development certificate from NAIT. Eager to get experience developing web applications and improving my software knowledge.

## SKILLS

Programmed Microprocessor in C/C++  
Angular JavaScript Framework design  
MVC .NET Framework Design  
Understanding of SQL Servers

Web application design  
HTML, CSS, C/C++ & C#  
Assembly & MATLAB  
OrCAD PSpice & LTSpice

Microsoft Suite  
Class 5 Driver's License  
Communication  
Decision-making

## EDUCATION

### Web Application Development

NAIT, 2021

- Learned web application development through C# to create web applications.
- Studied HTML5 and CSS for application user interaction page design.
- Created comprehensive Model-View-Controller .NET Framework and Angular JavaScript Framework as part of a web application in Visual Studios.

### Bachelor of Science in Electrical Engineering

UNIVERSITY OF ALBERTA, 2019

- Specialized in power engineering with transmission line fault protection and grounding.
- Programmed ATMEL microcontrollers to execute specific tasks.
- Studied power systems protections, 3-phase and 1-phase power system analytics, signal information theory, radio frequency communication circuits, design systems, control systems, embedded system design (bipolar junction transistors and metal-oxide-semiconductor field-effect transistors), fundamental circuit design theory, computer logic, and C/C++ language.
- Capstone project included:
  - Working with and providing hands-on support to a team of four in designing, building and testing electrical systems of an autonomous landing quadcopter.
  - Coordinating team and assigning tasks to ensure project goals were met.
  - Collaborating to create detailed, technical electrical design drawings, documents and specifications.
  - Creating the required coding for proper function of quadcopter.
  - Performing detailed calculations to facilitate the design and coordination of electrical systems.
  - Interacting with clients professionally and effectively to ensure timely completion of project.

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## CERTIFICATES

Registered Engineer-in-Training

Construction Safety Training System

WHMIS

## AWARDS

Alexander Rutherford Scholarship

University of Alberta Academic Excellence

## PROFESSIONAL EXPERIENCE

### Poll Clerk

FEDERAL ELECTIONS CANADA, OCTOBER 2019

- Managed voter tracking system and counted ballots.
- Provided guidance to voters surrounding the voting system and process.

### Labourer

TERRACE TURF LTD., 2018

- Maintained residential and commercial landscapes; used and maintained landscaping equipment.
- Executed spring clean-ups and provided lawn care as part of a team of labourers.

### Database Entry Analyst

ROBOSHRED, 2017

- Collected information on Edmonton businesses and inputted data into company base.
- Managed marketing outreach to potential clients and captured lead information.
- Utilized Podium CRM as well as other application tools.

### Team Leader

CROSSWINDS CONTRACTING, 2015

- Lead crew in completion of local painting project, including taking part in the hiring and onboarding process for new employees.
- Delivered supplies to and from job sites.
- Measured the daily distance covered by the crew, inspected for quality control and reported logged distance of completed work to clients to ensure transparency and the quality of workmanship.
- Frequently performed extra tasks (self-directed or assigned by management) to optimize efficiency and increase pace of work on job sites.

## CHARACTER REFERENCES

Alex Krieger

MACEWAN UNIVERSITY PROFESSOR  
587.938.1421

Simon VanderVinne

FORMER FENCE CONSTRUCTION MANAGER  
780.455.4594