

# Jared West

*Electrical Engineer-In-Training*

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## SUMMARY

Enthusiastic aspiring Electrical Engineer eager to contribute to team success through hard work, attention to detail and excellent organizational skills. Degree focused on power applications - such as power systems, power electronics, and renewable energy sources. Motivated to learn, grow, and excel in the energy and utility sector.

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## SKILLS

Power Systems	Software	Engineering
<ul style="list-style-type: none"><li>• Power Electronics</li><li>• Renewable Energy Systems</li><li>• Transmission and Distribution</li><li>• Protection Devices</li></ul>	<ul style="list-style-type: none"><li>• AutoCAD, Solidworks</li><li>• Circuit Simulator</li><li>• Microsoft Office</li><li>• Altium Designer</li></ul>	<ul style="list-style-type: none"><li>• System-Level Design</li><li>• Project Estimates</li><li>• Engineering Economics</li><li>• Teamwork</li></ul>

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## EDUCATION

<b>Bachelor of Applied Science: Electrical Engineering</b> <i>University of British Columbia – Vancouver, BC</i>	<i>September 2017 – May 2020</i>
<b>Engineering (Applied Science) Certificate</b> <i>College of New Caledonia – Prince George, BC</i>	<i>September 2016 – April 2017</i>

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## TECHNICAL EXPERIENCE

<b>Electrical Engineer Intern</b> <i>Andritz AG – Prince George, BC</i>	<i>May 2019 – August 2019</i>
<ul style="list-style-type: none"><li>• Developed cable block diagrams which included cable sizing for motors and instruments for a significant pulp bale line upgrade</li><li>• Redesigned motor control center (MCC) cabinet layouts for a Smart MCC replacement project, arranged new MCC cabinets concerning existing cables to avoid new motor cable pulls to reduce project costs</li><li>• Completed site visits while adhering to workplace safety regulations given by Andritz and the job site</li></ul>	

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## TECHNICAL PROJECTS

<b>Remote Surveillance and Detection Project – BC Government Contract</b>	<i>December 2018 – Present</i>
<ul style="list-style-type: none"><li>• Modified obsolete GPS tracking devices to enhance compliance and enforcement for species at risk</li><li>• Maintained the devices original water and dust ingress protection to ensure the longevity of devices when used in wet weather conditions</li><li>• Educated BC Conservation Officers on the proper deployment of each device to increase the success of the operation</li></ul>	
<b>Dynamic Parking Sign – University Capstone Project</b>	<i>September 2019 – April 2020</i>
<ul style="list-style-type: none"><li>• Managed a group of five engineering students to create a wirelessly controlled parking sign used to help manage the demand for parking on campus</li><li>• Formulated a dynamic energy budget spreadsheet to visualize the amount of energy consumed by the sign and generated from a solar panel – based on assumptions of daily usage</li><li>• Improved on a previous parking sign design and created clear and concise documentation to aid project handoff</li></ul>	
<b>Self-Sufficient Wind Turbine – University Project</b>	<i>January 2019 – April 2019</i>
<ul style="list-style-type: none"><li>• Worked in a group of four electrical engineering students to develop a fully self-sufficient wind turbine utilizing Maximum-PowerPoint tracking to generate three watts of power – awarded top wind turbine design</li><li>• Designed a three-phase rectifier in series with a DC-DC step-up converter for the turbine power electronics and created a circuit board to maintain reliable power delivery</li><li>• Formulated an effective integration plan with groupmates to ensure subsystems compatibility to maintain the project deadline</li></ul>	

## OTHER WORK EXPERIENCE

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### Auxiliary Conservation Officer

May – August 2017 – 2018 (seasonal)

Ministry of Environment and Climate Change Strategy – Valemount, BC

- Educated public on dangers of aquatic invasive species, proper boat maintenance, and how to prevent spreading invasive species
- Conducted thorough watercraft inspections and decontaminated vessels if suspected invasive species found to ensure no water bodies within BC would become infested
- Operated hot pressure washer unit hauled on a trailer behind truck daily – performing daily pre-trip checks to ensure the vehicle, trailer, and pressure washer were safe to use

### Student Groundskeeper

May – August 2013 – 2016 (seasonal)

School District No. 91 – Burns Lake, BC

- Operated/maintained groundskeeping machinery, including a ride-on lawn tractor, grass trimmer, and leaf blower - Maintained school grounds of School District No. 91
- Restructured the groundskeeping schedule allowing the team to maintain eight schools each week, using any extra time to assist with colleagues – increasing workplace efficiency
- Supervised two summer students to ensure daily tasks were completed safely and to the employer's satisfaction

## PROFESSIONAL AFFILIATES

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### Engineers and Geoscientists British Columbia

2017 - Present

Engineer-In-Training (2021)

## INTERESTS

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Cooking

Guitar

Soccer

Hiking

Rollerblading

Skiing