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| Jared West  *Electrical Engineer-In-Training* | |  |  | | --- | --- | |  |  | |  |  | |  | jaredwest1994@gmail.com | |  | linkedin.com/in/jaredewest/ | |
| **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. | | |
| **SKILLS** | |
| |  |  |  | | --- | --- | --- | | Power Systems | Software | Engineering | | * Power Electronics | * AutoCAD, Solidworks | * System-Level Design | | * Renewable Energy Systems | * Circuit Simulator | * Project Estimates | | * Transmission and Distribution | * Microsoft Office | * Engineering Economics | | * Protection Devices | * Altium Designer | * Teamwork | | |
| **EDUCATION** | |
| |  |  | | --- | --- | | **Bachelor of Applied Science: Electrical Engineering** | *September 2017 – May 2020* | | *University of British Columbia – Vancouver, BC* | | | **Engineering (Applied Science) Certificate** | *September 2016 – April 2017* | | *College of New Caledonia – Prince George, BC* | | | |
| **TECHNICAL EXPERIENCE** | |
| |  |  | | --- | --- | | **Electrical Engineer Intern** | *May 2019 – August 2019* | | *Andritz AG – Prince George, BC*   * Developed cable block diagrams which included cable sizing for motors and instruments for a significant pulp bale line upgrade * 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 * Completed site visits while adhering to workplace safety regulations given by Andritz and the job site | | | |
| **TECHNICAL PROJECTS** | |
| |  |  | | --- | --- | | **Remote Surveillance and Detection Project –** BC GovernmentContract | *December 2018 – Present* | | * Modified obsolete GPS tracking devices to enhance compliance and enforcement for species at risk * Maintained the devices original water and dust ingress protection to ensure the longevity of devices when used in wet weather conditions * Educated BC Conservation Officers on the proper deployment of each device to increase the success of the operation | | | **Dynamic Parking Sign –** University Capstone Project | *September 2019 – April 2020* | | * Managed a group of five engineering students to create a wirelessly controlled parking sign used to help manage the demand for parking on campus * 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 * Improved on a previous parking sign design and created clear and concise documentation to aid project handoff | | | **Self-Sufficient Wind Turbine –** University Project | *January 2019 – April 2019* | | * 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 * 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 * Formulated an effective integration plan with groupmates to ensure subsystems compatibility to maintain the project deadline | | | |
| **OTHER WORK EXPERIENCE** | |
| |  |  | | --- | --- | | **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** | |
| |  |  |  | | --- | --- | --- | | **Engineers and Geoscientists British Columbia**   |  | | --- | | Engineer-In-Training (2021) | | *2017 - Present* | | |
| **INTERESTS** | |
| |  |  |  | | --- | --- | --- | | Cooking | Guitar | Soccer | | Hiking | Rollerblading | Skiing | |  |  |  | | |