

BRANDON WILSON

SUMMARY OF QUALIFICATIONS

- Electrical Engineering graduate, specialization in Sustainable Power Systems
- Fast learner with excellent problem solving and critical thinking skills
- Strong communication (Bilingual English and French), leadership, and documentation skills
- Proficient at modeling in AutoCAD Electrical, Solidworks and Matlab
- Capable of programming in C, Assembly and Ladder Logic (Studio 5000)

EDUCATION

UNIVERSITY OF OTTAWA

OTTAWA, ON *April 2020*

- Bachelor of Applied Science in Electrical Engineering and Engineering Entrepreneurship

RELEVANT COURSEWORK

- DC and AC circuit analysis
- Design of signal processing filters
- Modulation techniques for analog communication systems
- Design and modeling of feedback control systems including the application of root locus method of analysis.
- Design of multi-stage amplifiers
- 3-Phase power distribution
- Sustainable power generation
- Impedance matching using smith chart
- Waveguides and antenna design
- Semiconductor physics and application
- Optical electronics and fiberoptic communication systems
- Computer architecture, assembly
- Applications of mathematical methods
- Data collection and interpretation
- Computer Aided Design

SKILLS AND ABILITIES

Engineering Skills

- Strong knowledge of electrical design and the production of electrical drawings for large systems
- Field investigation, preparation and interpretation of engineering plans and specifications
- Self motivated desire to learn with strong technical judgement and problem-solving skills
- Simulation analysis, coding, and modelling software experience (MATLAB, Multisim, Solidworks)
- Logical thinking skills with programming experience in assembly, C and ladder logic
- Mathematical circuit analysis spanning from DC electronics to AC power distribution systems
- Skilled in the drafting of technical documentation and reports (LaTeX and MS Office)

Communication and Leadership

- Team lead of capstone project designing and building braille translation device for the deaf-blind
- Delivered engaging presentations on technical subject matter to large audiences
- Collaborates well in groups to effectively utilize the skillsets of all members of the team

WORK EXPERIENCE

READY SYSTEMS

BURLINGTON, ON

Electrical Engineer

2018 - Present

- Produced electrical drawings for automation systems
- Supervised the wiring of build lines and other automation systems
- PLC programming of automated shipping systems
- Designed and machined robot tooling components
- Troubleshooted systems in a production environment

RWC CARPENTRY

ROCKGLEN, SK

Crew Supervisor

2017 - 2018

- Worked on a variety of large projects including several at SaskPower
- Worked in a highly regulated and unionized environment
- Supervised a work crew of up to 5 laborers
- Maintained project timelines and site safety documentation

HEMMING LAWN AND GARDEN

PETERBOROUGH, ON

Inventory Manager

2016

- Inventory management and merchandising
- Shipping and receiving
- Assemble and inspect new lawn equipment for retail sale
- Pickup and delivery of lawn equipment

RWC CARPENTRY

ROCKGLEN, SK

Labourer

2014-2015

- Worked individually and as part of a team to accomplish building tasks
- Mastered the safe use of power tools
- Used precise measurements to prepare building materials
- Operated heavy equipment including skid steer, front loader, haul truck and scissor lift

MCDONALDS

PETERBOROUGH, ON

Kitchen Staff

2012-2014

- Operated and maintained industrial cooking equipment
- Close teamwork in a fast-paced environment
- Food and chemical safety training
- Time management skills