SEAN TREVOR

Electrical Engineer

(647) 926-8746 17sowt@queensu.ca Toronto, Ontario

OBJECTIVE

Electrical engineering Graduate from Queen's University. Five years of experience working with circuitry/electronics and software development, with strong problem-solving skills, divergent thinking and a team orientated personality, I will be a great asset to your team.

SKILLS

- **Coding Languages:** Java/JavaScript, Python, HTML, C/C++/C#, MATLAB, Simulink, SQL, VHDL
- **CAD Design:** AutoCAD, LT Spice, ADS, PSIM and KiCAD
- **Microsoft Office:** Excel, Word, PowerPoint and Outlook

STRENGTHS

- **Problem Solver:** Minutes prior to presenting a final project, our team's design failed and I came up with an alternative solution that met the specifications of the challenge.
- **Innovative:** Always looking at what's wrong, what's needed and the effective solution
- **Communication and Presentation:** Proficient in creating engineering reports and presentations
- **Empathetic:** Able to perceive, evaluate and respond to others in an inspiring way. Always brought a good mood to the team and motivated each member to work hard and try their best
- **Time Management:** University has taught me how to manage multiple assignments
- **Collaboration and Teamwork:** Created schedules that delegated specific tasks to team members in design projects
- **Leadership:** Instructed at a STEM based education centre and tutored high school physics, calculus and chemistry

EXPERIENCE

- **Capstone Project**
  - Developed a 300W consumer wind turbine
  - Working in a group of 4 remotely to complete project
  - Using power electronics and knowledge of AC/DC and DC/DC converters and DC/AC Inverter
- **Facial Detection:**
  - Created a program that could detect real VS fake faces
  - Used Python with OpenCV and computer vision methods
- **Autonomous Robot:**
  - Designed and programmed an Arduino robot to navigate a grid and collect objects
  - Worked with a team of 9 to produce 3 robots that would work together
  - Responsible for electronics and coordinate based navigation
- **Antenna:**
  - Simulated a functional antenna array
  - Used electromagnetic equations to solve for dimensions
  - Used ADS to model and simulate the antennas

EDUCATION

Bachelor of Engineering and Applied Science – Electrical Engineering
Queen's University: 09/2017 – 04/2021

Relevant Courses Completed – Object Oriented Programming, Linear Control Systems, Electric Machines and Control, Power Electronics, Robotics, Machine Learning, Machine Vision, Artificial Intelligence and Intellectual Property Law

REFERENCES

Upon Request