

Cole Batonyi

2407 14th Ave NW Calgary, AB T2N 1M9

Cell: 403 837-1260 E-Mail: Cole.Batonyi@ucalgary.ca

PROFILE

I am currently a full time electrical engineering student starting my 3rd year at U of C; I am looking to get into firmware development and utilize my skills in mechatronic systems.

EXPERIENCE

Steelhaus Special Projects Division Design and Documentation Technologist - 2025

- Assisted in the design of equipment that improved the safety and efficiency of manufacturing processes
- Produced and reviewed technical documentation for ongoing projects
- Designed equipment and created manufacturing and assembly packages with Solidworks
- Participated in design review and project initiation meetings
- Created floor plans for new manufacturing facilities

LCS Cable Crane Operator - 2023 - 2024

- Prepared materials and equipment for transport
- Inspected and rigged loads for transport
- Operated the crane for fitting pipeline sections into place under a time pressure to tight tolerances
- Coordinated moves with radio communication on multiple crane systems
- Planned and executed operations with a variety of international workers
- Maintained equipment per maintenance schedules
- Kept inventory of specialized parts

Spartan Controls Valve Technician - 2022 - 2023

- Responsible for repairing and testing pressure relief valves. Servicing a variety of valves to meet API specifications and customer timelines.
- Worked independently and with other technicians in shop and field environments.
- Completed reports to inform the customer of the work done, as well as create traceability.
- Performed servicing, cleaning and inspection of valves to oxygen service standards.

Steelhaus Technologies Tool Testing Technologist - 2020 - 2022

- Responsible for setting up and completing a variety of tests. Including ambient pressuring testing, high temperature and high pressure testing and mechanical failure testing.
- Worked closely with engineers to solve a variety of R&D problems
- Created reports and documented testing results to be presented to clients
- Made improvements to the data acquisition units and test procedures
- Maintained and calibrated sensors to ensure proper function
- Created models and drawings in Solidworks for upgrading test facility components

ATAA (FIRST Competition Robotics Team) –Mechanical Alumni Mentor – 2016 – 2017, 2024

- Taught and managed high school students in Solidworks, basic fabrication, prototyping, and pit crew.
- As an alumnus I was a member of the team for 3 years prior to mentoring, with my final year being team lead of ATA Team 4334 in 2016
- Designed and installed electronics systems
- Modeled a variety of subsystems that would be made into robots
- Fabricated using manual methods as well as CNC Mills, and Routers
- Managed team communication between students, parents, and mentors through a variety of mediums
- Created task lists and a schedule for the team
- Competed at an international level

EDUCATION

- Mechanical Engineering Technologist (GPA 4.0) - Southern Alberta Institute of Technology **2017- 2019**
- Completed Senior Matriculation – Bishop Carroll Senior High **2016**
- Project Management Basics - Southern Alberta Institute of Technology **2015**

CERTIFICATES

- Advanced Rigging - Fulford Certification
- Drone Pilot Certificate - Basic Operations

TECHNICAL SKILLS

- Experience Programming with Python/C
- Experience with Linux Operating Systems
- Understanding of electronics and components used in robotics
- Soldering and other electrical joining techniques
- Experience with 3D Printing for rapid prototyping
- Experience with CAD - Solidworks/Onshape/KiCad
- Basic machining skills
- Ability to read and create engineering drawings

TRANSFERABLE SKILLS

- Attention to Detail
- Leadership skills
- Mechanical aptitude
- Effective communication with co-workers, managers, and clients
- Budget conscious
- Problem solving and critical thinking ability

REFERENCES AVAILABLE UPON REQUEST.