

JORDAN HEINRICHS

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Objective

To obtain an internship in electrical or computer engineering field where I can demonstrate my hard work and ability to quickly learn whatever task is given to me. Throughout the internship, to gather experience in the engineering field to contribute my best toward the success of the organization.

Education

University of Calgary

2011-Present

- Bachelor of Science, Electrical Engineering with a Computer Engineering Minor
- Expected graduation, April 2016 (including internship)
- GPA: 3.9/4.0 Cumulative

Internship Status

- Third year complete as of April 30, 2014
- Seeking internship for 16 months
- Available May 1, 2014

Skills

- Very competent programming using C++, C, and Matlab.
- Experienced with embedded systems.
- Strong problem solving and troubleshooting skills.
- Passion for electrical and software fields.
- Reliably and dependable.
- Very hardworking and motivated.
- Can learn and adapt quickly to challenges.
- Personable, works well in group or alone.

Work Experience

NSERC Research, University of Calgary

May - Aug 2013

Summer Student

- Developed and executed tests to determine accuracy of a hexacopter dropping sensor nodes.
- Troubleshooted and solved problems with hexacopter.
- Created a program to capture position of hexacopter using video tracking with C++ OpenCV.
- Analysis of data using Matlab and C++.
- Presented results and data in meetings and reports.

Whole Foods Market, Penticton BC Sept 2008 - Aug 2011, May - Aug 2012

Stocker, Cashier

- Responsible for making sure all extra stock put on the shelf when possible.
- Received orders and created sales displays.
- Flexible, filled many roles. Cashier when needed.
- Developed communication skills for maintaining customer satisfaction.
- Trained new employees, worked well in a group or on my own.

Penticton Herald, Penticton BC

May 2006 - Aug 2007

Paper Deliverer

- Delivered papers seven days a week before 7:15 am.
- Demonstrated reliability.
- Worked independently to get the route done.

Extracurricular Activities

University of Calgary Solar Car Electrical Team

Sept 2013 - Present

- Developing a GUI interface to read data transmitted over WiFi.
- Using C++ QT framework.
- Designing the program from scratch.

Many Mini Bots

Sept 2013 - Present

- A group dedicated for producing and interfacing many small bots.
- Building a tricopter for the group.
- Carefully documenting my work so they can reproduce it.

Micro Processing Group

Sept 2012 - Present

- Assembled a surface mount board, learned to solder 0603 parts.
- Learning how to use an ARM Cortex M3 processor.
- Gaining experience using ANT radio and LCD peripherals.

Schulich Aerodesign Team

Sept 2011 - Aug 2013

- Received hands on experience designing and assembling a radio controlled aircraft.
- Built two, greater than 2 meter wingspan RC plans for SAE Aerodesign Heavy Life Competition.
- Dealt with very limited resources and design constraints throughout the project.
- Was a key member of the build team.

Hobbies

- Back-country hiking and camping.
- Long distance running.
- Building computers.

Honours/Awards

- Dean Wirasinghe Undergraduate Scholarships in Engineering 2013
- CNOOC Undergraduate Scholarships 2013