

Joel Gallant

CONTACT

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WORK EXPERIENCE

Business Instincts Group
Computer Vision Technologist

May 2015 - Present

Responsible for developing, testing and integrating embedded linux computer vision tracking software. Working with the state-of-the art short term trackers, feature detection, machine learning classification and gesture control. Advancing novel techniques in the space, and integrating it into a low power portable camera that controls autonomous vehicles.

FIRST Robotics Western Canada
Regional Assistance and FIRST Senior Mentor

May 2014 — May 2015

Responsible for organizing, coordinating and planning the Western Canadian region. This includes and is not limited to:

- Social Media & Team Communications
- Team, Student, Volunteer and Mentor Recruitment
- Inter-program Connections
- Technical Support & IT
- Budgeting
- Team Mentorship, Technical and Non-technical Public Workshops

Alberta Distance Learning Centre, AO Shirley
Curriculum Development

June 2013 — August 2014

Was solely responsible for development of 6 CTS High school courses, all implemented by ADLC (Alberta Distance Learning Centre) in the 2013-2014 year. Courses were centred around electronics, programming and project development - with special emphasis on the FIRST Robotics Competition. Further course development was made in 2014, with 7 new courses are being implemented.

PROJECTS

Trace Live Network

Use our camera and accessories to capture footage of your activities from amazing new vantage points all while sharing it with your friends live.

<http://www.trace.com/>

ATALibJ

Java library written for FRC teams, creating a good base to work from. Uses a lot of design patterns and was built as a high quality code base.

<https://github.com/frc-west/atalibj>

High School Robotics & Engineering Curriculum

High school courses I developed that introduce engineering and robotics concepts and techniques.

<https://frc-west.github.io/>

Qualifications

- DELF, Diplôme d'études en langue française - Strong french comprehension and communication
- Public speaking experience at over 10 public events
- Experience teaching Python and Java through curriculum and in-person training
- Experience with hard labour, heavy lifting

EDUCATION

High School Diploma
Bishop Carroll High School

Sept 2011 — May 2014

INTERESTS

Programming

I have programmed since 2011, and have always had a passion for solving problems using computers.

FOSS, Free Software, Open Source, Linux

For years I have been passionate about the moral and practical missions of free software.

Hardware

I have worked on many desktop computers and have a good understanding of most basic electronics and computer hardware.

REFERENCES

References available upon request.

OTHER VERSIONS

[HTML](#)

[PDF](#)

FIND ME



joelg236 on most platforms