

Joel Gallant

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Calgary, AB, Canada

Driven, detail oriented, self taught and a candid software developer - with specialization in making the complex simple. I work hard and fast without sacrificing quality.

Skills

Advanced

- Java 6/7
- C++11
- CMake & Make

Intermediate

- Node.js
- Python
- OpenCV & dlib
- HTML5 & ES5/6

Familiar

- Ruby on Rails
- Scala
- CSS / Sass

Tools

Version control (git), issue tracking (github, jira), continuous integration & unit tests (semaphoreci, travis, gtest), IDEs (netbeans, eclipse), shell & unix tools (bash, zsh, vim, tmux, ssh), fluent with excel

Experience

Draganfly UAV & Trace

Computer Vision Technologist - 2015-Present

Responsible for developing, testing and integrating embedded Linux computer vision tracking software. Working with the state-of-the art short term general object trackers, high speed detection, machine learning classification and gesture control. Advancing techniques and integrating them into a low power system to control cameras and UAVs.

Tracking software developed controls an autonomous UAV, target assists in public safety situations, and is adaptable to any type of target.

FIRST Robotics

FIRST Senior Mentor - 2014-2015

Supporting, recruiting and mentoring students & coaches for FIRST Robotics teams in Alberta.

My work had an impact on over 750 students across Alberta, giving them an opportunity to work hands-on with technology and engineering.

Education

Bishop Carroll Self-Directed High School

High School Diploma, 2014

Interests

Free Software, Open Source, Linux

I have always been passionate about the moral and practical missions of free software

Electronics & Robotics

I have worked with a good amount of electronics and competed in 5 years of robotics competitions

Active Living

I'm passionate about staying healthy through hiking, basketball, weightlifting and cycling

Find me



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