

## DAVID PICKARD

42 Dalemere Crescent, St. Catharines, ON L2N 7K3

Home: 905-935-0763

Mobile: 613-484-6756

abedy406@gmail.com

### SUMMARY OF STRENGTHS

- strong engineering background and field experience working in software development
- communicates well in English and effectively in French
- comfortable working independently or as part of a team

### EDUCATION

**Bachelor of Applied Science** in Engineering Physics (2015)

Queen's University, Kingston, Ontario

- Computing Option
- Relevant Courses: Image Processing & Computer Vision, Algorithms, Sensors and Actuators, Operating Systems, Fundamentals of Software Development, Neural and Genetic Computing, Digital Systems, Topics In Applied Mathematics, Fundamentals of Information Structures & Software Engineering, Mechanics, Electric Circuits, and Vector Analysis.
- Completed a number of group projects including: web controlled Lighting, ionic lifter, vectored thrust quadcopter.

### SKILLS

#### Experience with:

- |                   |                 |            |
|-------------------|-----------------|------------|
| • Mac OSX         | • C             | • Xcode    |
| • Linux           | • C++           | • .net     |
| • Windows XP/7    | • C#            | • IEC 1131 |
| • MS Office Suite | • Objective C   | • Matlab   |
| • MS Access       | • VB            | • Maple    |
| • SQL Server      | • Java          | • Assembly |
| • Python          | • Visual Studio | • HTML     |

### RELATED EXPERIENCE

**Software Developer** (summers 2009-2014; July 2015-Present)

RMT Robotics (Cimcorp)

- Developed user interface and communications protocol for mobile platform remote control of AGV.
- Designed software to model, simulate and analyze the performance of real systems.
- Wrote and modified in-house software.
- Created and ported SQL interfaces.
- Aided in the installation and optimization of a large fleet of AGVs.
- Built algorithms, actuator models for move coordination, and PLC software for automated gantry systems.

### EXTRA-CURRICULAR ACTIVITIES/INTERESTS

- |                        |                       |                     |
|------------------------|-----------------------|---------------------|
| • Arduino/Raspberry Pi | • travel              | • scuba diving      |
| • home automation      | • sailing             | • X-country running |
| • circuit design       | • skiing/snowboarding |                     |

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### REFERENCES

**Clarence Showalter**

Manager, Systems Integration

RMT Robotics (Cimcorp)

635 South Service Rd

Grimsby, ON L2N 7K3

(905) 643-9700

Clarence has been my supervisor for the majority of my time at RMT.