



Profile

**Objective** I am seeking a position in the development and support of complex electronic systems

**Availability** 24/7, Immediate as a New Graduate, class of 2012, I have my own car (G license) and cell phone

Education

**Software Engineering and Game Design (Bachelor of Engineering)** **McMaster University**, Hamilton, ON

- ✓ **Four** year program, Class of 2012, Eligible for Engineering Intern (**EIT**) Program
- ✓ Completed full cycled software development of Game from Engine (**C4 Engine + Doxygen**)
- ✓ Awarded **Pioneer Hi-bred Scholarship** for (Continued) Academic Success

**Secondary Education** at Wellington Heights Secondary School, One year served as Student Co-President

Work Experience

**RMA Technologies, Cambridge, ON**

**Electronic Product Engineer (Co-op)**

**March 2012**

- ✓ Created software solutions in **C (avr-gcc)** for **Atmel Microcontrollers** (AT90USB and ATMEGA168)
- ✓ Applied new programming to existing company specific **schematics** to **reutilize** existing products
- ✓ Completed projects based upon **PWM control**, focusing on concise **documentation**
- ✓ Produced scripts to automate common procedures and backups (including **SQL** databases)

**Checkers Fun Factory, Hamilton, ON**

**Office IT / Inflatable Ride Mechanic**

**June 2010 to February 2012**

- ✓ Maintained a working IT infrastructure (**VMware**, in place upgrades, technology tracking)
- ✓ Experience in **Security Technologies** (Z Wave, DSC, etc.) and **Telephony Systems** (Nortel, etc)
- ✓ **Extensive travel** and customer relations experience including management of time and staff
- ✓ Provided 24/7 **on call duties** as well as operated during **extreme hours** (60 hr/ww) to complete projects
- ✓ Provided Customer **Service, Sales**, Internal Management and Office **Technical Support**
- ✓ **Repaired** various custom electronics containing PLC, motors and drives i.e. Mechanical Bulls
- ✓ Certified **ADM-I Technician** by TSSA, specializing in repair of inflatable devices

**D.M.A. Distributing, Mount Forest, ON**

**May to August, 2009**

**Shipping and Sales**

**May to August, 2008**

- ✓ Developed **www.dmadistributing.ca** and continue to **consult** on technology concerns
- ✓ Duties included telephone based sales, inventory management and packaging.
- ✓ **Delivered** shipments personally to clients and maintained good customer relations

**Mount Forest Computers, Mount Forest, ON**

**December to August, 2007**

**Computer Repair Technician**

**May to August, 2008**

- ✓ Diagnosed and Serviced **computers** and small **home networks**
- ✓ **Advised customers** on purchasing decisions and future upgrades
- ✓ **Travelled** to customer's locations to **repair** networks and office based systems

Key Skills

Engineering's focus on method over syntax has shown me a wide variety of programming practices including:

- ✓ Extensive experience in **C++** and **C# (.NET)**, on **windows** and **embedded** platforms (**Atmel / Arduino**)
- ✓ Ample projects in **Java** and **Python** on **Linux** systems using open source IDEs and libraries
- ✓ Documentation and Version Control Systems such as **Doxygen, Git, SVN, Perforce**
- ✓ **SQL** Database Management, Parallel and Scheduled Computing, **Networking** and Security
- ✓ **CAD** systems (Solid Edge, MAX 3DS, **Adobe Suite**) and Mathematical Environments such as **MATLAB**

My experience on site has lead me to further varied systems and challenges such as:

- ✓ **Android**, Blackberry and Windows Mobile devices (Often using **Visual Studio** or **Eclipse**)
- ✓ Automation systems, Security Systems (**DSC**), Telephony Systems (**Nortel** and **VOIP**)
- ✓ Drives, Inverters, PLC's w/ active feedback and control and **Mechanical Rides (ADM-I Cert.)**
- ✓ **Windows Server Environments, Active Directory** Controls and Virtual Machine Management
- ✓ **Office** and **Outlook** Scripting via **.NET**, General Office Software and Hardware Maintenance

References

**Randy MacDonald** (519) 622-7050

**Eric Paproski** (905) 971-5553

*More References available upon request. Code Samples are available at <http://www.daryldippel.com>*