
Charles Gervais-Dumont ing. jr

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www.wizzboy.ca

Scholarship

- ◆ *Electrical Engineering degree at **Ecole Polytechnique de Montreal (2012)***

Skills

- ◆ *Low voltage Power Electronics (120-600 VAC)*
- ◆ *Power Converters AC-DC, DC-DC, DC-AC*
- ◆ *Electrical standards (National Electrical Code, CSA SPE-1000, UL)*
- ◆ *Very Low Voltage Analog and Digital Electronics (Under 30V)*
- ◆ *Printed Circuit Board Design and Manufacturing (Multilayers)*
- ◆ *Embedded Programming (8-16-32bit PIC/AVR, ARM)*
- ◆ *High-Speed Digital Circuits (4000 & 7400 Series, FPGA, DSP)*
- ◆ *Telecommunication and protocols (USB, Ethernet, RS-485, RS-232, ZigBee, RFID)*
- ◆ *Audio & Video Standards (Analog/Digital Audio, VGA, SDI, HDMI/DVI)*
- ◆ *LED Drives and Lighting fixtures*
- ◆ *Basic Mechanical Design and Manufacturing (CNC, CAM, CAD, Die-Casting)*
- ◆ *Solidworks, CATIA, AutoCAD, Eagle PCB, Cadence, Visual Studio*
- ◆ *Assembly, C, C++, C#, PHP, SQL, VBA, MATLAB, Java*
- ◆ *Office, Photoshop & Adobe Creative Suite, 3Ds Max, Windows, MAC OS, Linux*

Relative Experience

- ◆ **Production Engineering (2012)**
Embrionix Design - Montreal
- ◆ **Electrical Engineering Intern (2010 - 2012)**
Theatrixx Technologies - Montreal
- ◆ **Electrical Engineering Intern (Summer 2009)**
ESKI – Montreal
- ◆ **Research Associate, Hardware Integration (Summer 2008)**
Robotic Perception Research Group – Montreal

Personal Profile

- ◆ *Dynamic, autonomous and pro-active*
- ◆ *Great sense of analysis and hand skills*
- ◆ *Autodidact*
- ◆ *Ambitious*
- ◆ *Very efficient*
- ◆ *Strong team spirit and ease of integration*
- ◆ *Open minded and adaptive*
- ◆ *Written and Spoken French, professional level*
- ◆ *Written and Spoken English, professional level*
- ◆ *Basic Spanish*