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EDUCATION:

- **Bachelor of Honours Computer Science**.   **September 2011 – Present**
- **Specialization in Network Computing** – *Third-year Standing.*
- **Carleton University** – *Ottawa, Ontario, Canada.*
- *Expected graduation in December 2015.*
- *Highest mark in High School Computer Science – Honour Roll.*

AVAILABILITY:

- Available for 4-month internship, beginning May 1st, 2014.

RELEVANT SKILLS AND EXPERIENCE:

TECHNICAL SKILLS:

- Competent **coding** and **debugging skillset** in several programming languages from experience gained through university-level courses, as well as from personal projects.
  - Experienced in **C**, **C++, Java**, and **Scheme**, as well as some frameworks.
  - Basic knowledge in **Python**, **Ruby**, **SQLite**, **Node.js**, and **JavaScript**.
- Experienced with multimedia software such as Adobe Photoshop to create photo-manipulations and other presentable visual features.
- Confident in working with operating systems such as **Windows** and **Linux** Distributions (Ubuntu, Lubuntu, Debian, etc.), and their respective consoles/terminals to gain best possible result.
- Knowledgeable with traditional and modern computer **hardware**, with a strong **diagnostics** mindset for determining and repairing both hardware and software faults with computers, as well as other electronic systems and subsystems.
- Strong understanding regarding device **networks** and communications, including Internets and Intranets, Bluetooth Piconets, and Ethernets.
- Obtained experience in solving mathematical equations, such as in simple algorithmic runtime analysis, and limits.

LEADERSHIP SKILLS:

- Lead a third-year **Software Engineering** team of four (4) through multiple design and development phases to produce a functioning final product pertaining to a set of listed design analysis requirements.
- Lead developer and programmer in a third-year **Network Computing** team of two (2). Developed an application for mapping random sensors to 1D and 2D unit intervals using the **C++** GUI and application framework **Qt**, and **Qt-Creator** for Ubuntu.

COMMUNICATION SKILLS:

- Communicated understood concepts in both technical and non-technical terms using relevant comparisons to effectively communicate ideas to co-workers.
- Operates effectively on rapid learning-curves for newly-introduced technologies and programming languages in order to expand and develop problem-solving skills.
- Improved others' work-ethic issues and other anomalies by communicating constructive criticisms and adjusting group structure to better suit the needs of the individual members.
- Fluent in English (reading, writing, oral), and capable of intermediate-level French (reading, writing, oral).

APPLIED PROJECTS:

Gauge Emulating Graphics Software System

- Currently developing a software system for the *Raspberry Pi™* (a lightweight ARM-based Linux computer) to emulate an automotive instrument (gauge) cluster using the **C++** based framework **openFrameworks** (www.openframeworks.cc). It is planned to feature gauge-faces and gauge sets that will be customizable via a GUI, capable of replacing a standard instrument cluster given specific I/O pins on specific vehicles.
- Currently developing a personal website that will feature upcoming projects and any updates relating to them (http://miketheberg.com).

WORK EXPERIENCE:

Part Time (Seasonal Full Time) Warehousing Staff, Customer Service

- **Canadian Auto Parts Suppliers**, Ontario   **June 2009 – May 2014**
  - Provided customers with both requested and pre-ordered items quickly and accurately in a **fast-paced**, **high-stress** working environment.
  - Organized many product-lines inside a large multi-warehouse operation, as well as aided in inter-warehouse and intra-warehouse product transfer operations.
  - **Trained** new employees regarding basics of warehousing fundamentals and operations, the organization and placement of product lines, and other relevant data points.
  - Exceeded company expectations for navigating a terminal-based *Rinax™* inventory management system to perform advanced product searches and effectively trace inventory errors.