GUELOR EMANUEL

Cell: 226-567-0946
E:cubeguelor.me
E-mail: gueloremanuel@cubeguelor.me

EDUCATION

Bachelor of Computer Science   **September 2012 - Present**
Minor in Philosophy
Carleton University, Ottawa, Ontario

SUMMARY OF SKILLS

Technical Skills

- Extensive knowledge and experience with Python, Java, C, C++, C#, JavaScript, Swift, relational database and SQL, HTML, CSS, SQLite, MongoDB, Node.js, Express framework, Qt framework, Xcode, Android Studio, Unity Game Engine and Blender
- Applied the client-server model structure and TCP/IP communications protocols on Linux Ubuntu distribution to develop a game of Twenty Questions using C, where the answerer answers with UNIX signals and the hosts can switch between answerer and questioner (server and client) depending on who won the round.
- Created a game of Tic-Tac-Toe on Linux Ubuntu platform utilizing bit manipulations in C to efficiently reduce the amount of memory used to store the game state while playing.
- Exposure and previous work with Kinect SDK v1.6, as used in a work-related project
- Conducted white box testing by executing 'GDB' and 'Valgrind' in the Linux terminal to analyze runtime errors and determine memory leaks in C/C++ programs to ensure proper functionality and robustness of the program
- Knowledge of the following test principles: white box, black box, and unit testing

Communication Skills

- Over 5 years of work experience in customer service environment.
- Excellent communication skills in a wide variety of means to various audiences, including technical documentation, debating political issues, and running for a seat for Computer Science Representative (CUSA).
- Strong leadership experience in professional and extra-curricular environments such as participating in Carleton University Student Association (CUSA), and volunteer note taker at Carleton University.
- Flexible, reliable, friendly and co-operative.

APPLIED PROJECTS

Software Developer   **December 2014**
Pandora Library System

- Created a mock library management system on the Linux Ubuntu platform using C++ with the MVC architecture
- Wrote a template class in place of container classes, allowing easier code maintenance and maximizing class reusability
- Implemented overloaded operators with cascading enabled (where applicable), to easily modify collection objects and enhance code readability
- Documented entire software structure and components within a UML class diagram

WORK EXPERIENCE

IT Help Desk   **August 2014 – Present**
Carleton University, Ottawa, Ontario
- Provides support services to students, faculty and staff
- Provide customer support for CuLearn, email, and lab based applications, and access to Wireless infrastructure
- Provide IT support for network printers located in the Library
- Configuring smartphones/tablets/laptops for wireless access
- Provide walk-in services for students

Special Projects Team   **September 2013 – April 2014**
ISIS Network Consultant Group
Carleton University, Ottawa, Ontario
- Collaborating with a diverse team of colleagues from the Departments of Engineering and Industrial Design to develop a high-tech replacement to the Department of Engineering's faculty directory
- Developed a set up tool using C++ for future Special Project Team that walked them through the set up procedure and provided them with needed documentation files, etc...

Computer Technician   **April 2013 – September 2013**
Kwic Internet
Simcoe, Ontario
- Repaired and maintains computers
- Provided Customer support regarding to Internet access, Internet transit, domain name registration and hosting, dial-up access, broadband, mailbox hosting, wireless router setup, etc.
- Modem and router setup.

Produce Clerk   **2009 – 2012**
Mike's No Frills
Port Dover, ON
- Receiving, stocking and displaying produce as well as offering customer service to shoppers throughout store hours

Grocery Clerk   **2007 - 2009**
No Frills#396

Toronto, ON
- Stacked and loaded items onto shelves
- Provided the best customer service to shoppers throughout store hours

VOLUNTEER EXPERIENCE

Note taker   **May 2014 – August 2014**
PMC
Carleton University, Ottawa, Ontario
- attended all classes
- took complete and detailed notes
- submitted all the notes on the PMC Portal within 48 hours after each class
- maintained confidentiality

Lions Clubs   **January 2010 – January 2011**
Simcoe Lions Club
Simcoe, Ontario
- Responsible of spotlight, and setting up the set

CIBC Run for the Cure   **October 2011**
Simcoe, Ontario
- Setting up the running routes, and guiding the runners

Fair Parking   **2009 – 2011**
Simcoe Composite School
Simcoe, Ontario
- Directed vehicles to correct parking spot

EXTRA-CURRICULAR ACTIVITIES
- Developing my own website for my own personal Visual Art/Painting Portfolio
- Working on personal projects
- Participate in Sandy-Hill Life Drawing workshop
- Painting with acrylic paint, oil paint, water color on canvas
- Participate in Soccer sport
- Working out at the Gym