CHRISTIAN MICHAEL
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EDUCATION

Bachelor of Computer Science   *September 2012 - Present*
Software Engineering Stream
Carleton University, Ottawa, Ontario

- Entrance Scholarship (2012/13)

- Expected Graduation Date: July 2017

ADDITIONAL SKILLS

Technical Skills
- Extensive knowledge and experience with Java, C, C++, JavaScript, html, CSS
- Experience with Prolog, Scheme (Racket), Node.js, Express framework, Angular JS, SQL
- Proficient in using tools such as "Valgrind" and "GDB" in the Linux environment to conduct white box testing when implementing programs using C/C++
- Developed a program, simulating library patron and book management system in C++ and implemented the Factory design pattern to allow dynamic and flexible creation of objects during the execution of the program
- Extensive knowledge and experience with android studio
- Experience with Linux Operating System
- 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
- Applied the client-server model structure and TCP/IP communications protocols on Linux Ubuntu platform to develop a game of Twenty Questions using C, where the player answers with Unix signals and the host can switch between answerer and questioner (server and client) depending on who won the round
- Applied the client-server model structure and TCP/IP communications protocols on Linux Ubuntu platform, to develop a file transfer system
- Developed a peer-to-peer meeting scheduler application, this application automatically checks each invitees calendar to find free times in regard to the time specified by the host and returns the possible times and picks a random time from the possible times returned and marks that time on each invitees calendar indicating a meeting has been scheduled
- To find out more, visit my website on **http://christianmichael.me**

Communication Skills
- Explained the concept of mobile development using swift and java (android studio) to students who are learners to mobile development
- Clarified course materials for classmates which improved theirs and my understanding of the course work
- Fluent in English and Igbo languages

APPLIED PROJECTS

World Map Brain Teaser
- Designed and implemented a countries trivia game for Android mobile devices using android studio

- Successfully published the game to the Google Play Store, receiving over 1300 downloads

- Stored country names within an external file rather than in a traditional array, which enhances the speed of the application.

Distributed Meeting Scheduler
- Designed and implemented a peer-to-peer meeting scheduler application on Linux Ubuntu platform using Libical library, which schedules a meeting between multiple clients on separate threads, by going through each invitees calendar and checking for available times.

File Transfer System
- Designed and implemented a client-server application on Linux Ubuntu platform that sends file from one computer to the other using TCP/IP communication protocol.

For more projects I have worked on visit my website on **http://christianmichael.me/project**

WORK EXPERIENCE

Teaching Assistant   *January 2015 – April 2015*
Carleton University, Ottawa, Ontario
School of Computer Science Department
- Familiarized students with problem solving in computer science
- Guided and assisted students in understanding course material and assignments

Technical Support   *April 2010 – May 2011*
Consolidated Micho Nig. LTD, Lagos, Nigeria
- Provided quality support for technical issues regarding office networks and printers, ensuring smooth business operations
- Efficiently responded to simultaneous requests from different members of the office, in a fast paced manner, demonstrating my ability to effectively prioritize duties
- Assisted in formatting and creating business request documents

EXTRA CURRICULAR ACTIVITY

- Working on personal projects
- Experimentation with beacon
- Participating in gym activities
- Improving my personal website