

James Mulvenna

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Education

Carleton University

Ottawa, ON

Bachelor of Computer Science, Minor in Business

September 2014 – June 2018

- Favourite area of study: Distributed Operating Systems
- Relevant courses: Database Management Systems, IT Infrastructure, Object-oriented Software Engineering, Critical Thinking, Effective Writing, Communications Technology, Organizational Psychology, Project Management, Information Systems

Relevant Qualifications

- Upon request.

Work Experience

MacOdrum Library, Carleton University

Ottawa, ON

Junior Systems Analyst

January 2017 – July 2018

- Provided professional IT support and documented progressive solutions to recurring technical issues
- Discussed and extracted system requirements while assisting with the development for Carleton University's Institutional Repository using JavaScript, Go and HTML providing ongoing quality assurance to maintain software standards
- Utilizing analytical and problem-solving skills to find innovative solutions to improve data efficiency by leveraging Python and Excel

Greater Sudbury Utilities

Sudbury, ON

Information Technology Summer Student

May-August 2016

- Administered and documented end-user support to over 200 employees including specialized applications such as MatLab, ArcGIS and AS/400
- Developed batch scripts to increase productivity in the workplace for recognized technical inefficiencies
- Confidently carried out system updates across 200 employees followed by end-user training

Rainbow District School Board

Sudbury, ON

Information Services Technician

May-August 2015

- Utilized effective troubleshoot methods when responding to end-user support to ensure technical resolutions
- Collaborated in a team project to install LAN infrastructure in all high-school classrooms which resulted in improved network capability for more effective secondary learning

Projects

Message Scheduler/Sender – Android Application

Fall 2017

- Collaborated to develop an Android mobile application with the objective of eliminating texting and driving
- Expressed leadership skills by administering an Agile SDLC plan to promote requirement adaptability and meeting strict deadlines which resulted in increased efficiency and project capacity
- Responsible for all technical documentation and back-end development using Java and SQL while applying Koilitin Object-oriented structures for model classes in the MVC structure

Linux I/O Device Driver (in C) - Received 100%

Fall 2016

- Individually programmed Ubuntu keyboard driver to accept altered key-press events
- Driver utilizes asynchronous callback's, dynamic memory, synchronization and pairs hardware interrupts with software events

Interval Network Coverage Simulator (in Java)

Fall 2018

- Collaborated with a team to develop a wireless network simulator to display interval network coverage

Has Cloud Computing Come and Gone Already? – Technical Report

Winter 2018

- Analyzed and recommended technical solutions to the future identified risks of cloud computing including subject matter; problem description, solution and project scope, requirements, cost-benefit analysis and implementation plan