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Mitchell C Timson

Personal Summary

A fast-learning and hardworking Computer Science graduate. Seeking a position in the software industry to add to existing knowledge and interest in software development and the overall development process, and to begin building a career as a developer.

Work experience

March 2015 – July 2016   <u>**North Bay, ON**</u>

Nipissing University – Research Assistant

- Performing programming activities for projects related to computer science, including interdisciplinary projects
- Implementing parallel, AI-based, mathematical optimization algorithms in C++ using the CUDA and OpenMP APIs for parallel programming
- Developing an interactive system using the JavaScript API "Cesium" for visualizing geography; developing topographic information for that system from hand-drawn maps using MATLAB
- Developing visual analytics techniques to a system that provides visualizations of large quantities of weather station data
- Coauthored scientific research papers to be submitted to scientific journals, one of which is currently in review
- Developing MATLAB applications that facilitate psychology department research
- This position included a summer semester in which I was awarded NSERC funding

May 2008 – Present, Seasonal   <u>**Perth, ON**</u>

WSCS Consulting Inc. – Asset Management Coordinator

- Performing field visits to municipal sites in order to municipal asset information including roads, bridges, water, wastewater, buildings, parks and fleet
- Calculating values of assets utilizing Reed Construction data and historical records for 5 clients - values representing over $1billion in assets
- Utilizing GIS software to locate municipal assets and lands for evaluating contaminated sites remediation liabilities.
- Analyzing records of asset purchases/maintenance and entering the required information into computer programs such as Microsoft Excel, Microsoft Access, and CostWorks.
- Interacting with senior level municipal officials, engineers, fire services in order to validate studies and asset valuations

April 2012 – April 2014   <u>**Guelph, ON**</u>

Denso Manufacturing Canada – Assembly Line

- Worked in a fast-paced manufacturing environment, maintaining a consistent pace throughout each shift, while being aware of and following safe work practices.
- Trained associates, including new associates, on many stations.
- Presented ideas for continuous improvement of the manufacturing process on the line, including the opportunity to assist with a complete line rebalance.

Summer 2009: Royal College of Physicians and Surgeon of Canada – Exam proctor and data entry

2009-2011: Tim Hortons – Overnight staff, supervisor

Education

Nipissing University
Bachelor of Science, Computer Science –Graduated June 2016
Certificate in Game Design and Development
Award in Robotics and Artificial Intelligence
J.W. Trusler Proficiency Award in Computer Science

University of Guelph
Bachelor of Science, Major Physical Science – Graduated 2014
Specializing in Physics

St. John Catholic High School
Ontario Secondary School Diploma, 2007
Ontario Scholar

Related Course Work

- Game Development in Unity, with a focus on applying object orientation and proper software engineering principles and practices and implementing game AI
- Developing graphics and animation applications in JavaScript using WebGL, including creating 3D models with Blender for the purpose of importing into applications

Skills

- Fast learner
- Independent
- Requirements elicitation
- Microsoft Office proficient
- Ability to work in fast paced environments
- Programming with experience in:
  - C
  - C++
  - MATLAB
  - JavaScript
  - Unity/C#
  - Python
  - Java