

JONATHAN DEIVEN

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SKILLS

Proficient Languages: C++, Java, HTML5, CSS3

Familiar Languages: C, Visual Basic, SQL, JavaScript, XML, Bash

Data Analysis: Microsoft Excel, MATLAB

Tools and Platforms: Linux, UNIX, Eclipse, SSIS, Git, SVN

Graphic Design: Adobe Photoshop and Illustrator, UI/UX Human Factors

WORK EXPERIENCE

Java Developer - TD Securities, Toronto ON

Dec 2014 – May 2015

- Developed a Java application to automate contract booking and repaying, ultimately cutting processing time on the trading desk by 93%
- Redesigned the login design and workflow using Java Swing API to improve the end user experience
- Implemented a cryptographically secure password reset system
- Automated processing of security availability feeds using SQL and SSIS

Supply Chain Analyst - Weston Foods, Mississauga ON

Oct 2013 – Jan 2014

- Developed the company's automated National Obsolescence Report to detail financial impact, saving seven hours of manual work biweekly
- Optimized FIFO Adherence Report to reduce total workflow time from two hours to three minutes
- Analyzed large data sets using Microsoft Excel and Visual Basic to generate insights on corporate finances, accounting, and inventory

QA Analyst - NexJ Systems, Toronto ON

Jan 2013 – Apr 2013

- Extensively tested CRM software on web and mobile, logging over 40 undiscovered bugs
- Worked in an Agile development environment and updated QA documentation for product releases

PROJECTS

- **Cautio** (2015). Developed an "Internet of Things" embedded system in C++ to automate video recording and monitor police gun use using an accelerometer, gyroscope, luminosity sensor and Raspberry Pi. Designed product renders in Illustrator
- **TypeTest** (2015). Developed a web application that computes user's typing speed using JavaScript
- **Personal Website** (2015). Developed a cross-browser and fully responsive website from the ground up using HTML5, CSS3 and JavaScript
- **Flood Tile Game** (2014). Implemented the observer software design pattern in C++ and XWindow graphics to develop a tile matching game

EDUCATION

University of Waterloo, Waterloo ON

Sept 2012 – Apr 2017 (Expected)

- Candidate for BAsC degree in Systems Design Engineering, Honours, Co-operative Program
- Relevant Courseware: Object-Oriented Software Development (C++), Data Structures and Algorithms (Java), Linear Systems and Signals (MATLAB)

VOLUNTEER EXPERIENCE AND AWARDS

Engineers Without Borders (2014 – Present): Currently developing a new website and blog for the UW chapter

Euclid Math Contest School Champion: Awarded for placing the top score in the Grade 12 Euclid Math Contest for my secondary school