

## WORK EXPERIENCE

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**Crank Software***Storyboard Software**Developer*

Sept 2012 – Dec 2012

Created efficient algorithms for image slicing to improve application runtime. Worked on PSD lifecycle management tool to improve flow of PSD to Storyboard importing. Worked on Storyboard tool that compares, differences and merges two or more Storyboard model automatically.

**IBM***SWG - Jazz Software**Developer*

Jan 2012 – April 2012

Dec 2012 – Feb 2013

Worked on the Jazz Software web UI, creating new features and enhancements. Worked on a scripted setup, to create and populate a sample database for testing on a local eclipse client. Refactored existing Jazz framework to include breadcrumbs for simpler navigation. Participated in a weekend Bug Blitz in order to meet release deadline

**Jonar Systems Inc***Web Developer**Graphic Designer*

May 2011 – Aug 2011

Created full company website including customized user profiles. Created PSD and AI mock-ups and translated them into working code. Designed conceptual interfaces for new software application based on ideas discussed during meetings. Created Flash animation about ERP systems, which is currently being shown by professors across USA.

**The Ottawa Hospital***Database Analyst*

May 2010 – Aug 2010

Created new MS Access database to merge data from existing Ottawa Hospital Nightingale and Oasis databases. Learned VBA to develop macros for optimization of data transfer between databases. Provided internal training on the computer systems used in the department. Responsible for graphic design of the hospital brochure

## PROJECTS

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**Ray Tracer**

Created a full Ray Tracer in C++ in two weeks for final project, receiving over 100% with Honorable Mention.

[www.thesidestudio.com/dgershtein/raytracer.php](http://www.thesidestudio.com/dgershtein/raytracer.php)

**The Side Studio**

Created personal portfolio for artwork and coding projects. Created a PHP photo gallery for father's photography.

[www.thesidestudio.com](http://www.thesidestudio.com)

## EDUCATION

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**University of Waterloo***Sept 2009 – Present*

Candidate for Bachelor of Computer Science with Minor in Fine Arts. Two-time Gennum Corporation Scholarship Award winner for excellence in the pursuit of post-secondary education.

**Royal Melbourne Institute of Technology***Feb 2013-June 2013*

Study Abroad semester in Australia, taking 3D and 2D animation courses, as well as User Interfaces and Databases

**Courses**

Computer Graphics, Artificial Intelligence, Algorithms, Operating Systems

## PERSONAL

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**Skills**

Work and educational experience with Java, C/C++, javascript, jQuery, HTML/CSS. Working knowledge of vim and Eclipse and proficient with Unix, MacOS and Windows operating systems. Extensive experience with Adobe Suits and Maya.

**Interest**

Executive member of university volleyball club, president of A Capella club, Orientation Week Head Leader and Cross Campus Coordinator, Grade 10 RCME in Piano, Waterloo Jazz Band, snowboarding, 3D modeling, travel, expert fooseball player