# DALYA GERSHTEIN

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www.thesidestudio.com

Bachelor of Computer Science
Minor in Fine Arts
*University of Waterloo*

## WORK EXPERIENCE

**Crank Software**
*Software Developer*
Sept 2013 – Present
Sept 2012 – Dec 2012

Created efficient algorithms for image manipulation tools to improve application render time by over 50%. Implemented a parser for PSD files to extract relative information when importing PSD files into Storyboard. Worked on Storyboard tool that compares, differences and merges two or more Storyboard models 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 customizable user profiles. Created Flash animation about ERP systems ("What Is ERP?"), which is currently being shown by professors across the USA for education. Created PSD and AI mock-ups and translated them into working code. Designed conceptual interfaces for new software application.

**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

**Ray Tracer**

Full C++ Raytracer in two weeks, receiving over 100% with Honorable Mention
*www.thesidestudio.com/dgershtein/cs488.html*

**The Side Studio**

Created personal portfolio for artwork and coding projects.
*www.thesidestudio.com*

## EDUCATION

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

Final year of 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, as well as President's Entrance Scholarship

**RMIT, Australia**
*Feb 2013-June2013*

Took Bachelor of Animation courses while studying abroad in Australia.

**Courses**

Computer Graphics, Artificial Intelligence, Algorithms, Operating Systems, 2D Animation, 3D Animation, Imaging and Animation, Life Drawing

## PERSONAL

**Skills**



Java, C/C++, javascript, jQuery, HTML/CSS. Working knowledge of vim and Eclipse and proficient with Unix, MacOS and Windows operating systems.

**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