

RINAT ABDRAHITOV

21 Ross Street, Toronto, ON, Canada, M5T 1Z8 • +1-647-295-1387
rinat@cs.toronto.edu

EDUCATION

University of Toronto (Toronto, Canada)

Honours Bachelor of Science with Distinction, Computer Science
CGPA of 3.38 / 4 Major GPA: 3.65 / 4

Sep. 2008 – June 2012

University of Toronto (Toronto, Canada)

Master of Science, Computer Science
GPA: 4.0

Sep. 2013 – June 2015

PROFESSIONAL EXPERIENCE

Conceptualiz Inc. (Toronto, Canada)

June. 2013 – Current
Software Developer

- Designed an app from ground up that allows medical experts to rapidly design and 3-D print implants.
- Designed 3D rendering engine to render high res polygonal models of bone tissue on mobile gpu.

XtremeLabs Inc. (Toronto, Canada)

Intern: May 2011 – Aug. 2011. Full-time: Sep. 2012 – June 2013
Software Developer

- Developed high profile iOS applications starting from the concept to submitting the finished product to the App Store.
- Collaborated closely with designers to optimize the application UI subject to device limitations.
- Gained extensive experience in objective-oriented programming using Objective-C, Java and Cocoa toolkit.
- Fixed critical bugs for the released BlackBerry applications in a short period of time.
- Directly communicated with project managers and clients to discuss weekly builds.
- Worked effectively with QA team to resolve any technical issues and bugs of the application.
- Developed and delivered high quality software under tight deadlines in a fast-paced environment.

Royal Bank of Canada (Toronto, Canada)

Intern: May 2010 – Aug. 2010. Part time: Sep. 2010 – Sep. 2012
Junior Business System Analyst

- Customized and adapted a Customer Relationship Management software using Java and SQL for the needs of a Cash Management Department.
- Applied string similarity techniques like Weighted Jaccard to perform data cleaning in existing databases.

- Trained and mentored call center staff on a new software for logging client calls.
- Developed custom reports for managers using Crystal Reports IX to improve their ability to track employee performance.
- Worked in a team of 5 to develop a multimedia based training application for new employees. The project received the “Best Project of the Quarter” award.

RESEARCH EXPERIENCE

SIGGRAPH 2014

Interactive Shape Modeling using a Skeleton-Mesh Co-Representation.

J. Andreas Bærentzen, Rinat Abdrashitov, Karan Singh.

International Symposium on Sketch-Based Interfaces and Modeling 2014

Mosaic: Sketch-based interface for creating digital decorative mosaics (*Best paper award*).

Rinat Abdrashitov, Eric Yao, Emilie Guy, Karan Singh.

Summer Research Student, University of Toronto (Toronto, Canada)

May-August 2012

Supervisor: Professor Kenneth R. Jackson

Project Title: Algorithms for medical imaging and GPU parallelization

- Parallelized polyenergetic nonlinear iterative reconstruction algorithm for X-ray computerized tomography using MATLAB Parallel Computing Toolbox.
- Suggested a better method for solving the nonlinear least squares problem that arises in the algorithm.
- Reduced computation time by more than 60% using only 4 CPU cores.

Summer Research Student, University of Toronto (Toronto, Canada)

May-August 2012

Supervisor: Professor Karan Singh

Project Title: iPad music player

- Designed a new interface and interaction techniques for a music player on an Apple iPad.
- Experimented with the concepts of spiral user interfaces, music emotion recognition, gesture recognition and curve generation.
- Developed an innovative music player that has no conventional buttons and menus, yet gives more power to the user for playing music, browse through the library, seek within songs and create playlists.

TEACHING ASSISTANTSHIPS

- Computer Graphics (CSC418), University of Toronto
- Software Tools and Systems Programming (CSC209), University of Toronto
- Software Design (CSC207), University of Toronto
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AWARDS

- University of Toronto Scarborough Entrance Scholarship. \$1000, September 2008.

- University of Toronto Undergraduate Excellence Awards in the Natural Sciences & Engineering. \$5625, May 2012 – Sep. 2012.
- Harold Willett Stewart Scholarship. \$1523, September 2013.
- Isabel Warne Scholarship. \$1000, September 2013.