

Dustin Freeman

Dynamic Graphics Project
Department of Computer Science
University of Toronto
Room 4283
40 St. George Street
Toronto, Ontario
Canada M5S 2E4
416.918.7467 Cell

dustin@cs.toronto.edu
http://www.dustinfreeman.org

EDUCATION

- 2010 (expected) **M.Sc. Computer Science**
UNIVERSITY OF TORONTO
Lab: Dynamic Graphics Project
Supervisor: Prof. Ravin Balakrishnan
Recieved Wolfond Fellowship
Courses: Ubiquitous Computing, Machine Learning, Computational Biology
- 2008 **B.Sc. Mathematics and Engineering**
QUEEN'S UNIVERSITY
Thesis: Motion-based Image Segmentation Without Motion Computation
Advisors: Prof. Abdol-Reza Mansouri
Notable Electives: Semiotics, Greek and Roman Drama, Introduction to Cognitive Science, Electronics, Mechatronics, Human-Computer Interaction, Advanced User Interface Design

PROFESSIONAL ACADEMIC EXPERIENCE

- Summer 2008 **Queen's University, School of Computing**
NSERC USRA AWARD
Explored curved multitouch interfaces.
Supervisor: Prof. Roel Vertegaal, Human Media Lab
- Summer 2006 **Queen's University, Mathematics and Statistics Dept.**
NSERC USRA AWARD
Implemented Semi-definite programming algorithms to analyze phase behaviour in high-temperature superconductivity.
Supervisor: Prof. Bob Erdahl, Quantum Phases Group
- Summer 2005 **Queen's University, Mechanical Engineering Dept.**
RESEARCH ASSISTANT
Worked on two research projects: Implementing a daylighting algorithm using Radiance software and material scanning in the Integrated Learning Center at Queen's University, and empirically understanding wicking in fabrics for use in fuel cells.
Supervisor: Prof. Stephen Harrison, Solar Calorimetry Lab

TEACHING EXPERIENCE

- CSC 318 **The Design of Interactive Computational Media**
TEACHING ASSISTANT
Fall 2008

SCI 199	From Social Networks to the Internet TEACHING ASSISTANT Fall 2008
APSC 171/172	Engineering Calculus I/II TEACHING ASSISTANT Fall 2006 - Winter 2008
APSC 171	Online Preparation Course COURSE MANAGER Summer 2007. Created an online preparation course in Calculus directed at incoming engineering students who recieved inadequate high school math instruction.
APSC 174	Engineering Linear Algebra TEACHING ASSISTANT Winter 2008

PROFICIENCIES

Matlab
 C++/Java
 OpenGL
 Quartz Composer
 Linden Scripting Language (LSL)
 Actionscript/Javascript/PHP/MySQL
 L^AT_EX
 Photo and Video Editing

OTHER ACTIVITIES

2006-2008	The Improv Show ARTISTIC DIRECTOR Provide artistic direction and administration for a group that specializes in improvised theatre. Activities include regular performances and external workshops.
2006-2008	Kingston Improv Games HEAD TRAINER Run the training program for the Kingston chapter of the national Canadian Improv Games. This includes scheduling trainings and administering other trainers.
Nov 2007	Producer, Single Thread Theatre Company Was the producer for a Production of Tom Murphy's Famine, with a cast of 20 and a production crew of 25. Single Thread Theatre Company's artistic goal is to mount classical theatre with modern relevance, and this was their twelfth show.
Dec. 2004	Mars Society Canada Expedition Alpha GREENHAB ENGINEER Two-week simulation mission in the Mars Desert Research Station in Utah. Responsible for water recycling systems, and sent regular field reports to a remote team. Filmed footage that was later used on the Space Channel.
2004, 2005	Commerce and Engineering Environmental Conference FIRST-YEAR REPRESENTATIVE, SPEAKERS Part of the committee for an inter-disciplinary conference.
2000	Aviation Focus Program Constructed a four-person kitplane with a team of students.

THEATRE AND FILM EXPERIENCE

- Fall 2008 **Improv classes** LEVELS: 201,301
Impatient Theatre Company. www.impatient.ca
- Aug 2008 **For A Better World (translated from Fr eine bessere Welt)** ENSEMBLE
Single Thread Theatre Company. www.singlethread.ca
- Aug 2008 **Nation** JACK BISHOP
Bishop Street Films. nation-movie.com
- 2003 - 2008 **The Improv Show** PERFORMER, ARTISTIC DIRECTOR (MAY 2006 - ONWARDS), HOST
www.theimprovshow.com
- Jan 2008 **Pagliacci** SET DESIGN/CONSTRUCTION
Queen's Student Opera Company.
- Nov 2007 **Famine by Tom Murphy** PRODUCER
Single Thread Theatre Company. Managed a cast of 20 and a production team of 25.
- March 2007 **Deviants by Jim Davies, Dustin Freeman and Talia Acker** WRITER, ACTOR, SET DESIGNER
Critical Stage Theatre Company, in collaboration with the Rhode Island School of Design.
- Jan 2007 **Supplementary Material** CAMERA OPERATOR, COLLABORATIVE WRITER/DIRECTOR
Entered as part of the Focus Film Festival at Queen's, won first prize.
- Nov 2006 **The Eumenides by Aeschylus** ORESTES, SET DESIGN/CONSTRUCTION
Directed by Tom McGee, of Chaos Theory Theatre Company, as part of Greek and Roman Drama.
- March 2006 **Heterotopia, collaboratively written** WRITER, PRODUCTION MANAGER, ACTOR
Critical Stage Theatre Company. Collaboratively written over 6 months with professional playwright Ned Dickens.
- March 2005 **Last Storey by Alex Caspary** ACTOR
Critical Stage Theatre Company. Directed and written by Alex Caspary.
- June 2003 **Heroes by Ken Mitchell** SUPERMAN
- June 2003 **No Exit, by Jean-Paul Sartre** DIRECTOR