

# IAN VOLLICK

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<http://ian.infinitepigeons.org>

## PERSONAL OBJECTIVE

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- To obtain an engineering position at a creative company in order to apply and develop my technical expertise and, ideally, my artistic experience

## TECHNICAL SKILLS

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- Experience using C++, C, C#, MATLAB, Python and Perl
- Also familiar with STL, Java, SQL, LaTeX, HTML, OpenGL and JavaScript
- UI programming experience with wxPython and MFC
- Experience implementing automated testing suites and frameworks
- Development experience in Windows(XP/2000), Linux and Solaris

## EDUCATION

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- 2005–2007 **MSc. University of Toronto** Toronto, ON
- Computer Graphics, Department of Computer Science
- 2000–2005 **Hon. B.Math in Computer Science, University of Waterloo** Waterloo, ON
- Graduated on the Dean's Honour List, 92% Average
- 1997–2000 **Diploma in Classical Animation, Sheridan College** Oakville, ON
- Graduated with Honours

## RELEVANT EXPERIENCE

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- July 2007– **Pixar** San Francisco, CA
- Dec 2007 *Technical Director Intern, Global Technology*
- Working in C++ and python, extended and developed tools and scripts used by production
- Spring 2005 **Autodesk (Formerly Alias Systems)** Toronto, ON
- Spring 2004 *Software Developer, Usability Engineering*
- Wrote production UI code for Alias ShowCase and Alias ImageStudio
  - Implemented many prototypes for Alias ShowCase and Alias SketchBook Pro
- Fall 2003 *Software Developer, SketchBook Product Development Group*
- Fixed bugs, implemented features, and refactored code
  - As a personal project, implemented a virtual straight edge for SketchBook that facilitates drawing straight lines with pressure sensitivity using only a stylus
- Winter 2003 *Software Developer, Maya Product Development Group*
- Gave a 40-minute presentation to the Alias Product Development Group on the testing infrastructure, co-developed in a previous co-op position
  - Responded promptly to concerns of users of the system, educating users and extending the infrastructure as necessary
  - Developed a utility in C++ that splits an Alias|Wavefront IFF image file into its component channels and can compare two images on a per-component basis
- Summer 2002 *Software Developer, Maya Product Development Group*
- Co-designed and developed a new, client-server testing infrastructure
  - Implemented the UI of the infrastructure using Perl, JavaScript and Perl/Tk

- Developed automatic hardware detection facilities, a system for matching test results, and made the testing infrastructure usable by Alias StudioTools

*Summer 1999*    **Wack Wack Animation**    St. Catherines, ON  
*Layout and Design Artist*

- Layout artist on the television shows “Ned's Newt” (Nelvana Animation) and “Rainbow Fish” (Sony Wonder Animation)
- Worked up rough designs into final location designs for “Tales of the Crypt Keeper”

**ADDITIONAL EXPERIENCE**

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*Fall 2005*    **University of Toronto**    Toronto, ON  
*Teaching Assistant for “Introduction to the Theory of Computer Science”*

- Prepared and presented weekly, hour-length tutorials
- Graded assignments, prepared sample solutions, and maintained course website

*Fall 2001*    **University of Waterloo**    Waterloo, ON  
*Computer Science Tutor, CS200, “Concepts for Advanced Computer Usage”*

- Co-authored a marking manual for new tutors
- Gave short lectures during labs

*Winter 2001*    *Computer Science Tutor, CS130/113, “Developing Programming Principles”*

- Developed new web-based software to email answers to submitted lab questions
- Assisted students with Java during labs and practicum sessions

**AWARDS/SCHOLARSHIPS**

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- 2006, Robert E. Lansdale/Okino Graphics Graduate Fellowship
- 2005, NSERC PGS-M scholarship, valued at \$17,500/year
- 2005, Gold medal for best project in CS488 (Computer Graphics), University of Waterloo
- 2002, William Gartrell Award for high average, valued at \$1000
- 2000 – 2003, Member of the Dean’s Honour List (average > 80%)

**VOLUTEER EXPERIENCE**

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*2006 – 2007*    *Math Tutor*    **St. Christopher House**    Toronto, ON  

- Instruct adults preparing for GED tests

*2002 - 2007*    *Pianist*    **Ellis Ave. Bible Church**    Hamilton, ON

**OTHER INTERESTS**

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Reading, Life drawing, Playing and Writing Music, Squash, Cooking

**REFERENCES**

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References will be furnished upon request.

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