

# Peter Hamilton

P-hamilton.com  
(647)-963-0974  
peter.p.hamilton@gmail.com

## EDUCATION

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***Ph.D. Computer Science*** **2014-Dec 2018 (Expected)**

University of Toronto, Toronto, ON., Canada

Awards and Honors: Wolfond Scholarship Program in Wireless Information Technology

***M.Sc. Computer Science*** **2012-2013**

University of Toronto, Toronto, ON., Canada

GPA: 3.93

***B.Sc. Computer Engineering*** **2007-2012**

Queen's University, Kingston, ON., Canada

First Class Honors

## WORK EXPERIENCE

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**PhD Software Engineer Intern** **May-Aug 2016**

*Google, Mountain View, CA, USA*

- Worked on an open ended research project exploring interactions for multi-device applications
- Conducted a user study to evaluate these interaction techniques

**Research Intern** **June-Sept 2014**

*Yahoo Labs, Sunnyvale, CA, USA*

- Worked on new interactions for applications that leverage the capabilities of wearable devices(e.g. wrist-worn & head-mounted)

**Research Assistant** **May-Aug 2009,2011**

*Sunnybrook Hospital Ultrasound Lab, Toronto, On., Canada*

- Worked on extensive software system that provided an interface for viewing, managing, and analyzing lab ultrasound data
- Created and tested a program that integrated several hardware systems, allowing users to automate time consuming experiments

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## Research Assistant

May-Aug 2010

*Biomotion Lab, Kingston, On., Canada*

- Created and tested a graphical user interface for visualizing and interacting with the large amounts of data that represent the biological motion of the human walk
- Created a web application for gathering data through social media

## Web Developer

June-Aug 2008

*Synnetra Corporation, Toronto, On., Canada*

- Created and integrated a fully featured commenting/message board system into one of the companies projects

## CONFERENCE PRESENTATIONS

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- Glueck, M., Hamilton, P., Chevalier, F., Breslav, S., Khan, A., Wigdor, D., & Brudno, M. (2016). PhenoBlocks: Phenotype Comparison Visualizations. In IEEE Transactions on Visualization and Computer Graphics (TVCG / Proc. of VAST '15). Volume 21, Issue 1. pages 101-110.
- Peter Hamilton and Daniel Wigdor. 2014. Conductor: Enabling and Understanding Cross-Device Interaction. Conditionally accepted to appear in Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '14). ACM, New York, NY, USA.

## TEACHING EXPERIENCE

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### Teaching Assistant

Fall 2012, Winter 2014, Winter 2015

*CSC207: Software Design, University of Toronto, Toronto, ON., Canada*

- Ran tutorials that introduced techniques and tools used in large-scale software systems

## COMPUTER SKILLS

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Programming Languages:

- Proficient: Java, Javascript
- Familiar: Python, Flutter, C++, C#, C, PHP, SQL

Applications:

- Photoshop, AfterEffects, Premiere, Flash, Matlab, Labview, 3ds Max, Microsoft Visual Studio, Microsoft Office