

# Robin Hill

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## Technical Qualifications:

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- Software developer with both practical experience and knowledge of computation theory
- Programming languages: Swift, Objective-C, C, C++, C#, Java, Ruby, Javascript, Perl, Lisp
- Applications: Xcode, Microsoft Visual Studio 2008/2010, Eclipse, Perforce, Git
- Operating Systems: Mac OSX, Windows (XP, Vista, 7), Linux (Ubuntu, Fedora), OpenVMS
- Detail-oriented and enthusiastic

## Industry Software Development Experience:

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Animoto, Inc.

New York City, NY

**Software Engineer**

**August 2013 – December 2015**

- Developed and expanded professional iPhone and iPad app.
- Took part in top-level app-design conversations and wrote code spanning from UI frontend to desynchronous background services.
- Responded to changes in Apple systems and OS to keep code functional and taking advantage of the latest system capabilities.
- Helped manage app store submission process.

FACTSET RESEARCH SYSTEMS

NORWALK, CT

**Software Engineer**

**June 2011 – June 2013**

- Improved and added features to various client-facing Windows GUI applications, using MFC in C++ and WPF with C#/XAML.
- Overhauled C++ control's graphical frontend while maintaining backend consistency across several consuming applications with different requirements.
- Modified control API to access and package data from servers to fit different consumers' needs. Used COM for communication between processes and across languages.

## Computer Science Research Experience:

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UNIVERSITY OF ROCHESTER, DEPARTMENT OF COMPUTER SCIENCE

ROCHESTER, NY

**Undergraduate Research Assistant under Dr. Chen Ding**

**Summer 2010**

- Wrote new optimization pass for GCC to automatically insert code belonging to a system for multi-processor speculative optimization developed by Dr. Chen Ding.
- Gained skill working on a large code base with minimal documentation.

UNIVERSITY OF HOUSTON, DEPARTMENT OF COMPUTER SCIENCE

HOUSTON, TX

**Research Experience for Undergraduates (REU) program under Dr. Stephen Huang**

**Summer 2009**

- Researched, designed, and implemented algorithms for detecting potential network intrusions
- Used several variations on the Dynamic Time Warping algorithm to detect SSH tunneling in spite of attempts to disguise this activity.

## Computer Science and Liberal Arts Education

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UNIVERSITY OF ROCHESTER

ROCHESTER, NY

**B.S. in Computer Science, B.A. in Linguistics, and Minor in Philosophy**

**graduated May 2011**

- GPA 3.64/4.0; Deans List 8 of 8 semesters