

Robin Hill

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Technical Qualifications:

- 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:

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:

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

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