

# Bryce Hammond

## ios Developer / software wizard

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[resume.semanticchickens.com](https://resume.semanticchickens.com) [github.com/brycehammond](https://github.com/brycehammond)

### Intent

An [Apple Design Award](#) winning developer, I want to create exceptional apps balancing innovative interaction and visual design. I have extraordinary attention to detail and create scalable and elegant architectures.

### Lead Engineer

Mar 2015 - Present

#### Flyreel

- Lead engineer for [Flyreel](#)
  - Developed backend infrastructure in Rails, Django, PostgreSQL and Redis
  - Created machine learning engine for classification of requests/questions and routing infrastructure to distribute them to the appropriate pros
  - Developed iOS client application in Swift to facilitate people finding and connecting with service pros in their area
  - Created logging infrastructure on ELK stack for easy log analysis via [Kibana](#)

### Lead Programmer / Magician

Feb 2011 - Jan 2015

#### Imulus

- Mobile Development lead and head developer for the following apps:
  - [Opto](#) (created framework so client could create new exercises via configuration files)
  - [Feedback Sports](#) (app and Rails API)
  - [Grove](#) (was ePantry)
  - [Snowzoom](#) and [SSCV](#) (app and Rails API)
  - [The Jacobsen](#)
  - [COPD Pocket Consultant Guide](#)
  - Enterprise apps for Stanford University and AlphaNet
  - eDiscovery Assistant (app and Rails API). Now a web app (which I also worked on) at [ediscoveryassistant.com](http://ediscoveryassistant.com)
  - Vis a Voy (app and Rails API for now defunct beauty product social network)
- Built and maintained backend in C# for [The Jacobsen](#) and [MRI Network](#)
- Performed the occasional, and sometimes original, magic trick for colleagues and clients
- Transitioned from monolithic Subversion version control system to Mercurial and then to Git

### Software Engineer

Jul 2007 - Feb 2011

#### Wall Street on Demand / Markit on Demand

- Team lead, architect and lead developer for the team responsible for creating the following iPhone / iPad apps:
  - Financial Times Mobile
  - Financial Times iPad Edition (won [Apple Design Award](#) in 2010)
  - [Fineco](#)
  - [CNBC Real-Time](#)
  - [TD UK / NatWest / RBS](#)
  - Other apps that have gone way downhill since I left and I'll need a beer or two to share about
- Daily use of Objective-C, C++, Perl, Ruby, and SQL
- Work on high availability, highly scalable, Windows based backend server systems that service most every major financial website (CNBC, Scottrade, Ameritrade, Schwab, etc.)

### Objective-C / Swift / Cocoa



iOS and OS X Development with Objective-C, Swift and Cocoa/CocoaTouch

### C / C++



Large scale and high availability system experience in C and C++

### Magic



Ex-professional magician specializing in card and coin magic with original effects created that integrate technology

### Ruby / Rails



Ruby and Ruby on Rails application development

### Version Control



Experience with Git, Subversion, CVS, Mercurial, Visual SourceSafe (yep, I said it), and Rational ClearCase

### C# / .NET



Experience with .NET MVC and WebForms, Console Applications, WPF applications, and Windows Phone

### SQL



Experience with T-SQL, MySQL, SQLite and PostgreSQL

### Java / Android



Android development and large enterprise J2EE development

Available upon Request

- Designed and coded a tool to streamline XML feed integration, drastically reducing the time needed to do the integration
- Created a tool to automatically transition the Visual SourceSafe version control system to Subversion, while maintaining version history
- Develop and maintain systems handling thousands of incoming data feeds and delivering millions of documents a day

Graduate Teaching Assistant and Full Time                      Sep 2006 - Jun 2007

Graduate Student

University of Denver

- Research in Computational Geometry, specifically map matching and path optimization
- Worked with the Biology department on statistically sequencing mixed mitochondrial DNA
- Collaborated to create a GPU-accelerated cellular automata to simulate floods
- Taught Calculus course labs; Graded labs and quizzes; provided student support

Software Engineer    Mar 2004 - Oct 2006

Raytheon Company

- Developed autonomous command and control applications on Solaris for the Sonja and Lynx programs
- TS/SCI SSBI access
- Extensive use of C++, Java, CORBA, and Perl
- R6Sigma Qualified Specialist

Lead Special Projects Programmer                                      Aug 2002 - Mar 2004

American Mortgage Express

- Developed customized web applications in JSP/J2EE and ASP with Microsoft SQL Server backend
- Created and maintained database infrastructure
- Created company intranet to deliver up-to-date, relevant information to company employees

B.S. : Double major in Computer Science and                      Sep 1998 - Jun 2002

Mathematics

University of Denver

- Minor: Philosophy
- GPA: 3.97; Summa Cum Laude, Phi Beta Kappa Honor Society, and Recipient of the Otis T. Retchard Award for Excellence in Computer Science