

# William H O'Brien

## Work Experience

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|---|---|
| <b>Developer</b><br><i>iVantage Health Analytics</i>  | Jun 2012 - Present<br>(4 months)          |
| <ul style="list-style-type: none"><li>• <b>Refactored</b> value-based purchasing calculator from a procedural to an object-oriented design</li><li>• <b>Lead</b> multi-office staff meeting</li><li>• <b>Rapidly adopted</b> three new languages, 4D, SQL, and PHP</li></ul>  |   |
| <b>Hall Staff</b><br><i>Dept. of Campus Life</i><br>Colby College   | Jan 2010 - May 2011<br>(1 year 5 months)  |
| <ul style="list-style-type: none"><li>• <b>Developed</b> autonomous residence hall program emphasizing self-governance</li><li>• <b>Road-mapped</b> semester event programs and planned resources accordingly</li><li>• <b>Engaged</b> residents with dorm events and daily interactions encouraging them to participate in making their dorms home</li></ul>   |   |
| <b>EMT and Dispatcher</b><br><i>Pittsford Volunteer Ambulance</i>   | Jan 2008 - May 2011<br>(3 years 5 months) |
| <ul style="list-style-type: none"><li>• <b>Directed</b> ambulance crews across the county via radio communications in conjunction with the 911 call center</li><li>• <b>Coordinated</b> multiple emergency services to ensure effective response to emergency situations</li><li>• <b>Applied</b> urgent and potentially life-saving interventions to patients within the scope of well-defined protocols</li><li>• <b>Prioritized and negotiated</b> needs of several agencies while on calls in order to ensure sufficient progression toward time targets for contact, scene departure, and eventual transfer of care</li><li>• <b>Certified</b> the accuracy of sensitive patient information ensuring complete documentation</li></ul> |   |

## Languages & Frameworks

Novice	$\LaTeX$
Advanced Beginner	Jasmine, Rspec, Cucumber, Git, Spring Security
Competent	Ruby, CoffeeScript, JavaScript, Backbone.js, jQuery
Proficient	Java, HTML, CSS, Spring (Core & MVC)

see Dreyfus model of skills acquisition

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## Education

2008 – 2012 **Bachelor of Arts, Colby College**  
*with Honors in Computer Science*  
Thesis: Web Applications and APIs in REST  
GPA: 3.39 Major: 3.59

## Personal Crusades & Side Projects

May 2012 – Present  
**Ruby on Rails** Converted thesis project to Rails to see if it would have been easier than in Java. Developed a strong appreciation for BDD. Deployed and continue to develop an online personal management service ([www.blockstep.com](http://www.blockstep.com)). *Experience with: Ruby, Rails, BDD, Rspec, Cucumber, Backbone.js, MongoDB.*

Jan 2011 – May 2012  
**Spring Framework and Virtual Machines** Developed a 3-tier application in Spring. Deployed each application tier on a separate VM. Built project into a senior thesis on RESTful web services. *Experience with: Java, Spring, Dependency Injection, Dynamic Proxies, Network Proxying, RAID, bash, HTTP, MVN, Git, Tomcat6, Hibernate, Transactions, JSON schema, REST*

Fall 2010 – Jan 2011  
**Networking Excursions** Hosted a number of web services for use on the school's network. Experience led to much reading about anonymous networking, copyright law, patent law, and the social implications of the Internet as a means of transferring information. Most work was done remotely via command-line. Consulted network administrator before deployment. *Experience with: DNS, iptables, MediaWiki, Redmine, DC++, Darknet, Bitcoin, Tor, OpenVPN, SSL certificates, HTCPCP, Subversion*

## Awards

May 2010 **Mid-year Magic Award**  
*Campus Life, Colby College*  
May 2008 **Natalie K. Meyer Memorial Award**  
March 2008 **Eagle Scout**  
*Boy Scouts of America*  
2006 - 2007 **Coaches Award**  
*Pittsford Wrestling*