

William H O'Brien

Work Experience

- Developer** Jun 2012 - Present
iVantage Health Analytics (4 months)
- Refactored value-based purchasing calculator from a procedural to an object-oriented design
 - Lead multi-office staff meeting
 - Rapidly adopted three new languages, 4D, SQL, and PHP
- Hall Staff** Jan 2010 - May 2011
Dept. of Campus Life (1 year 5 months)
Colby College
- Developed autonomous residence hall program emphasizing self-governance
 - Road-mapped semester event programs and planned resources accordingly
 - Engaged residents with dorm events and daily interactions encouraging them to participate in making their dorms home
- EMT and Dispatcher** Jan 2008 - May 2011
Pittsford Volunteer Ambulance (3 years 5 months)
- Directed ambulance crews across the county via radio communications in conjunction with the 911 call center
 - Coordinated multiple emergency services to ensure effective response to emergency situations
 - Applied urgent and potentially life-saving interventions to patients within the scope of well-defined protocols
 - Prioritized and negotiated needs of several agencies while on calls in order to ensure sufficient progression toward hitting time targets for contact, scene departure, and eventual transfer of care
 - Certified the accuracy of sensitive patient information ensuring complete documentation

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). *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, HTCP, 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