William H O'Brien

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Work Experience

Developer
Jun 2012 - Present
iVantage Health Analytics
(5 months)

- **Produced and launched** a new product for calculating value-based purchasing oportinities

- **Introduced** static code analysis by deploying a Sonar server for two core projects

- **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 time targets for contact, scene departure, and eventual transfer of care

- **Certified** the accuracy of sensitive patient information ensuring complete documentation

Technical Compentencies

see Dreyfus model of skills acquisition

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

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 simpler 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 transfering 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*