

William H O'Brien

Work Experience

Software Engineer Dec 2012 - Present
Tapjoy, Inc.

- **Monitoring & Alerting Framework**
Sensu-based system with statsd-like reporting. Deployed on several hundred nodes.
- **Management Console for Partners**
Single-page JavaScript application for campaign management. Primarily using Rails and Backbone.

Developer Jun 2012 - Nov 2012
iVantage Health Analytics (6 months)

- **Value-Based Purchasing Calculator**
Produced and launched tool for highlighting value-based purchasing opportunities.
- **Static Code Analysis**
Introduced Sonar to two core-projects.

Hall Staff Jan 2010 - May 2011
Dept. of Campus Life (1 year 5 months)
Colby College

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

Technical Competencies

see Dreyfus model of skills acquisition

Proficient JavaScript, the Modern Web Platform, RESTful API Design & Development

Competent Ruby, Node.js, Linux

Advanced Beginner \LaTeX , Bash, Chef, Networking

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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

Current

Ramekin.io *Meal Planning & Tracking*
Tracking meals using NFC tags on mason jars for macro-nutrient accounting and meal planning. Using PhoneGap and Backbone.js.

Spaced Repetition *Review in Optimal Intervals*
Anki clone with markdown and MathML.

Scheduling & Project Tracking *Combat Planning Fallacies*
Collection of tools and experiments to prevent overly optimistic project planning.

Past

Thesis Project *RESTfulness of Web APIs*
API and client application to illustrate how Roy Fielding's REST dissertation maps to web APIs. *Java, Spring, Hibernate*

Networking Excursions *Run all the Services*
Hosted and remotely managed a number of web services for use on Colby's network. Consulted network administrator before deployment. *DNS, iptables, MediaWiki, Redmine, DC++, Tor, OpenVPN, Apache*

Tour of Chef *Configuration Management*
Created a needlessly complicated array of virtual machines with the intent of learning chef. Result was a multi-tier web app in a can. *Chef, Nginx, Tomato firmware, AWS*

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