

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 ad campaign management. Primarily using Rails and Backbone.
- **Publisher Analytics**
Integration of game-publisher analytics. Key part of Tapjoy's acquisition of Korea-based analytics company, 5Rocks.

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

- **Value-Based Purchasing Calculator**
Independently produced and launched product that identifies 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.

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	L ^A T _E X, 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