

# Andrew Hautau

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## Education

- 2012–2013 **Certificate, Data Science**, *University of Washington*, Seattle, WA.
- 2011–2012 **Certificate, Ruby Development**, *University of Washington*, Seattle, WA.
- 2009–2010 **Master of Science, Information Studies**, *Florida State University*, Tallahassee, FL.
- 2005–2009 **Bachelor of Arts, Music and History**, *Florida State University*, Tallahassee, FL.

## Professional Experience

- October **Senior Software Engineer**, *Trakstar*, Seattle, WA.
- 2014–Present Trakstar is platform for HR needs including performance appraisals, goal setting, and continuous feedback.
- I work on the full stack of our web application to engineer features, provide support to customers, and keep our services highly available and performant.
  - One of two engineers to develop a completely new dev-ops solution for Trakstar, using Chef and Serverspec.
- May 2014– **Software Developer (contract)**, *Whitepages*, Seattle, WA.
- October Whitepages is the leading provider of identity information in North America.
- 2014 ○ As a developer on the Core Site team, I built and refactored application software to serve millions of active users. This primarily consisted of work on a variety of Rails web services and APIs and implementing client-side Javascript for metrics and endemics ads.
- November **Co-Founder & CTO**, *bubblr*, Portland, OR & Seattle, WA.
- 2013–April bubblr was a platform for sharing and discovering music geospatially, i.e. on a map.
- 2014 ○ I oversaw all technical decisions and application development. This included development of our iOS application, web application, and Rails backend. I also assisted in product and operational responsibilities with my co-founder as needed.

2012–April **Lead Software Developer**, *LikeBright*, Seattle, WA.

2014 LikeBright was a dating site that leveraged Facebook data to connect people through mutual interest.

- I provided leadership to other developers and non-technical team members in the development of product features.

2011–2012 **Data Indexer**, *Institute for Health Metrics and Evaluation*, Seattle, WA.

Technical documentation and metadata creation in support of the Global Health Data Exchange (GHDx) and other epidemiological projects.

- As a project for the Ruby Certificate program at UW, I developed a data visualization tool for GHDx metadata using Rails and D3.js.

2009–2010 **Graduate Assistant**, *Florida State University Libraries*, Tallahassee, FL.

In digitization efforts of the archive's collections, I gained an applied knowledge of HTML and CSS.

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## Recent Projects

### **Active Record Nearest Neighbor.**

A Ruby gem and Rails plugin that provides convenience methods for nearest neighbor geospatial queries with ActiveRecord and PostGIS.

### **HayStack.**

A data visualization of homelessness data produced by the U.S. Department of Housing and Urban Development using D3.js and the MapBox Javascript SDK. I developed the visualization in partnership with the King County Committee to End Homelessness as part of the Hack To End Homelessness event. HayStack was featured in an online article by the magazine FastCompany.

### **WebChess.**

A work in progress as of October 2014, WebChess is a web application that uses Backbone.js and a new Ruby web framework, Lotus. In building the application with Lotus, I hope to contribute to a very young Ruby framework that takes an alternative philosophy to the very popular and established Ruby on Rails.

### **Hautalogy.com.**

My blog, a simple Rails 4 app

## **Titanic Kaggle Competition.**

I submitted an entry for a Kaggle competition to predict survivors of the RMS Titanic. Using R, I developed an approach using a Support Vector Machine that successfully beat the benchmark with a score of 79%.

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## **Skills**

### **Backend.**

- Rails
- Sinatra
- Node.js
- MySQL, PostgreSQL, SQLite

### **Mobile.**

- iOS

### **Web Front End.**

- Backbone.js
- D3.js
- jQuery
- jQueryUI
- jQueryMobile
- Twitter Bootstrap

### **Analysis and Machine Learning.**

- R
- Weka

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## **Personal Interests**

Music (principal instrument saxophone, also enjoys guitar and keyboard), Rock climbing (bouldering, top roping, lead), traveling, reading

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## **References**

Available upon request.