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

May 2014–October 2014   **Software Developer (contract)**, *Whitepages*, Seattle, WA.

Whitepages is the leading provider of identity information in North America.

- 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 2013–April 2014   **Co-Founder & CTO**, *bubblr*, Portland, OR & Seattle, WA.

bubblr is a platform for sharing and discovering music geospatially, i.e. on a map. When a user shares a track (using an external content service such as SoundCloud or YouTube), it is "dropped" on the map as a "bubble". Users listen to bubbles that others have dropped nearby and curate bubbles by using a voting system.

- 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.
- On both the iOS and web applications, bubblr implements visualizations using the MapBox SDKs (Objective-C and Javascript, respectively) to highlight the music that people share with bubbles.
- Both the iOS and web applications leverage data available from the YouTube and Soundcloud JSON APIs to populate the UIs with assets and content.
- On iOS, implemented animations with Core Graphics.

2012–April 2014	**Lead Developer**, *LikeBright*, Seattle, WA.
	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.

Recent Projects

Active Record Nearest Neighbor.
A Ruby gem and Rails plugin that provides convenience methods for highly performant 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.

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Neigel Vintners.
A simple responsive landing page for a cider company in Wenatchee, WA.

The Government Shutdown Kept Me From....
In early October 2013, I made a simple Rails app, coupled with a Twitter bot, for people to share stories about the shutdown of the federal government.

Magneeto.
Magneeto was the winning team at the first ever Maker Edition of Startup Weekend. Our team demonstrated a prototype of a versatile means of personal data collection and analysis for physical exercise. I lead our team in development of the consumer software interface.

Hautaulogy.com.
My blog, a Rails and Backbone.js app I made from the ground up.

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%.

Skills

Backend.

- Rails
- Sinatra
- Node.js
- MySQL, PostGreSQL, SQLite
- Neo4j Graph Database

Mobile.

- iOS

Web Front End.

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

Analysis and Machine Learning.

- R
- Weka

Personal Interests

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

References

Available upon request.