

# Ryan Jordan

1412 Market St  
San Francisco, CA 94102

(812)881-7736  
[rjordan217@gmail.com](mailto:rjordan217@gmail.com)

## Projects -

### ❖ **Petsy** ❖

- Online pet marketplace implemented as a full-stack web application with a Rails backend backed by a PostgreSQL database and a ReactJS frontend
- Features include store and item search, shopping cart management, and store/item creation for registered users, all backed by authentication

### ❖ **RailsLite** ❖

- Complete Ruby framework for generating a backend web application server
- Implements Rails-like features, like MVC architecture and an ActiveRecord class

### ❖ **JavaScript Pool** ❖

- Recreation of the classic billiards game in JavaScript using object-oriented design
- Models the complex physics of elastic collisions with additional logic to improve UX

### ❖ **Global Event Mapper** ❖

- Group of Java applets to map large governmental data sets with Google Maps API
- Algorithmically determines if cities lie within threat circle of earthquakes

### ❖ **Machine Learning Algorithms** ❖

- Vectorized implementations of core machine learning algorithms using Octave
- Includes neural network, PCA for data compression, K-Means for clustering, a support vector machine, and more

## Skills -

Ruby	Rails	ReactJS	Flux
SQL	HTML	CSS	JavaScript
jQuery	Java	C	Matlab
Android	TDD	Git	VB

## Education -

- **Saint Louis University** May 2015  
BA in Biochemistry, International Studies  
Minor in International Business
- **App Academy** May 2016  
12 week intensive Ruby on Rails program with 3% acceptance and 20% attrition rate
- **Coursera** Ongoing  
Certificate in Machine Learning  
Ongoing studies in data science

## Work Experience -

**EUCORD** Brussels, Belgium  
Finance Assistant Jan 2014 - May 2014

- Created many applications still in use to increase efficiency of internal control
- Developed programs with easy-to-use graphical user interfaces in Visual Basic

**Doisy Research Center** St. Louis, MO  
Undergrad Researcher Oct 2012 - Dec 2013

- Led project studying an inhibitor of the 26S proteasome
- Modeled protein complex with coding suite to analyze and predict binding patterns

**Mary Ann's Tea Room** St. Louis, MO  
Server Aug 2014 - Feb 2016

- Set up Consumer Resource Management (CRM) server for employer
- Consistently received five star reviews from customers and manager

**References Available Upon Request**

Visit [my personal site](#) to learn more about me!