

# Ivan-Guillermo Baquerizo Friedman

Software Engineer • Mathematician • EMT/Phlebotomist  
Berkeley, CA

## > PROJECTS

### **Fridgeslam** (Ruby, Rails, Backbone.js)

[www.fridgeslam.xyz](http://www.fridgeslam.xyz) | [github.com/ifriedman08/aa-fridgeslam](https://github.com/ifriedman08/aa-fridgeslam)

Make and post poems, solo or with friends, one word at a time.

Features include customized BCrypt authentication, custom index queries allowing for fast sorting of Slam model instances, AJAX-powered search bar allowing users to find each other in order to make turn-based GroupSlams.

### **Dashteroids** (Javascript, HTML5)

[ivanfriedman.co/Dashteroids](http://ivanfriedman.co/Dashteroids) | [github.com/ifriedman08/Dashteroids](https://github.com/ifriedman08/Dashteroids)

Asteroids-inspired game made with HTML5 Canvas.

Sprite-based browser game, avoid the asteroids or shoot them to earn points. Pick up health-packs to replenish your shields.

Features include intuitive W-A-S-D controls and dynamic animations, prototypical inheritance of various game objects.

### **RubyChess** (Ruby)

[github.com/ifriedman08/RubyChess](https://github.com/ifriedman08/RubyChess)

The classic game, written in Ruby, terminal GUI.

Features include save/load functionality, piece-by-piece move highlighting, deeply nested class inheritance structure, key-sensitive cursor input, and human vs. human, human vs. AI, or AI vs. AI modes.

## > SKILLS

Ruby, Rails, Javascript, jQuery, AJAX, Backbone.js, HTML, CSS, SQL, TDD, OOP, git, Python, R.  
Fluent in English, French and Spanish.

## > EXPERIENCE

### **After-School Youth Coding Teacher**

*École Bilingue, Berkeley, CA (2016 - Present)*

Developed and implemented curriculum for fifth graders to learn JavaScript and Ruby, including covering basic data-types, loops, and basic algorithms.

### **Front End Software Engineer**

*Cisco Systems (through Experis), Milpitas, CA (2015 - Present)*

Updated, corrected, and refactored JavaScript and Java code for the Cisco.com frameworks. Spearheaded the refactoring and implementation of Asynchronous Module Definition and loading of various content component code.

### **ED Tech - Highland Hospital, Oakland, CA (2014 - 2015)**

Served as Emergency Department Technician at Highland General Hospital. Responsibilities included phlebotomy, patient assessment, wound-care, EKG administration, and documentation. Recognized by supervisors and peers for bedside manner, enthusiasm and work ethic.

### **Medical Intern - Hospital Clinico San Carlos, Madrid, Spain (2012)**

Interned in the General Surgery Department. Duties included assisting in daily rounds, attending high-level medical seminars and lectures, observing a wide range of major procedures, and performing minor ones under supervision.

## > EDUCATION

### **Software Engineering - App Academy - San Francisco, CA (Summer 2015)**

Immersive software development course with focus on web development, agile methodologies, code quality and understanding of design patterns, as well as algorithms, data-structures, HTTP, and databases.

### **Post-Bac Certificate - UC Berkeley Extension - Berkeley, CA (2014)**

Certificate in upper-level medical sciences. Courses included Biostatistics, Genomic Medicine, Epidemiology, and US Health Policy.

### **Undergraduate Studies - Cornell University - Ithaca, NY (2012)**

BA in Mathematics, Pre-Med, Dean's List (2010).

Courses included Advanced Calculus, Differential Geometry, Analysis, and Group Theory as well as Physics for Engineers, General and Organic Chemistry, Cell Biology and Anatomy.

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