

# Ivan-Guillermo Baquerizo Friedman

Software Engineer • Mathematician • EMT/Phlebotomist  
Berkeley, CA

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## > PROJECTS

### **Fridgeslam** (*Ruby, Rails, Backbone.js*) | [live](#) | [github](#)

*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.

### **Dash-teroids** (*Javascript, HTML5*) | [live](#) | [github](#)

*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](#)

*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. The AI attacks opponent pieces, defends the king, and moves to check using deep-dup board-tree analysis.

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## > SKILLS

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

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## > EXPERIENCE

### **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.

### **Research Intern** - *Children's Hospital, Oakland, CA (2011)*

Spearheaded the creation of a database in Access to track outcomes and evaluations of a new back-brace for pediatric scoliosis patients.

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## > EDUCATION

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

Immersive software development course with focus on web development and agile methodologies. Strong emphasis on 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.

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