

Ivan-Guillermo Baquerizo Friedman

Software Engineer • Mathematician • EMT/Phlebotomist
Berkeley, CA

> 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.

RubyChess (Ruby) | [github](#)

The classic game, written in Ruby, terminal GUI.

Features include save/load functionality, piece-by-piece move highlighting, 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.

> SKILLS

Fluent in French and Spanish.

Ruby, Rails, Javascript, jQuery, AJAX, Backbone.js, HTML, CSS, SQL, TDD, OOP, git, Python, R (statistical language)

> 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.

> 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.

PORTFOLIO www.ivanfriedman.co • GITHUB [ifriedman08](#)

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