

# Mohammad Majd

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**Objective** Seeking a full-time position as a junior software developer

**Projects**

**InsanFran** (Ruby on Rails, PostgreSQL, React, Flux) [Live](#) | [Github](#)  
*Full-stack app for sharing San Francisco photography (inspired by Instagram)*

- Utilizes raw SQL queries to create a filtered feed on the user home page
- Implements Infinite Scroll by fetching three posts at a time from database when user has scrolled to bottom of page
- Custom user authentication system that utilizes BCrypt library to hash passwords

**99Bridges** (Ruby on Rails, React, Flux, React-Bootstrap) [Live](#) | [Github](#)  
*Original full-stack application to locate and track information on bridges*

- Google Maps API to place map, markers, and info-windows in the document
- Utilizes jQuery to animate map markers when user hovers over index items
- Custom user authentication system that utilizes BCrypt library to hash passwords

**Tron** (Javascript, jQuery, HTML5) [Live](#) | [Github](#)  
*Browser-based remake of the classic arcade game*

- Utilizes Javascript to track player and wall locations and detect collisions
- A.I. player chooses the cardinal direction with furthest obstruction
- All rendering done by manipulating HTML elements with jQuery

**Skills**

Ruby	Javascript	React.js	SQL	HTML
Ruby on Rails	jQuery	Flux	Git	CSS

**Education**

**App Academy** | San Francisco, CA | March - May, 2016

- Immersive full stack web development course with < 3% acceptance rate
- Emphasis on Ruby, Rails, React, OOP, test driven development, pair programming, algorithms, scalability, and programming best practices

**Drexel University** | Philadelphia, PA | 2004-2010

- BS/MS in Civil Engineering

**Work History**

**Structural Engineer** - *Ammann & Whitney* | Philadelphia, PA | 2013- 2016

- Oversaw the design of a steel-girder bridge with architectural landscaping in the historic 'art museum area' of Philadelphia.
- Developed VBA Macros to accelerate the analysis of output from 3-D structural modeling programs; these tools were implemented throughout the company for several large projects

**Structural Designer** - *Speciality Engineering Inc* | Bristol, PA | 2009 - 2013

- Trained and managed a small team that performed 3-D structural analyses and planned rehabilitations of curved ramps along a major interstate highway.
- Developed a structural analysis program for arch bridges using MATLAB that automated analyses and allowed engineers to avoid error-prone calculations