Mohammad Majd

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Objective

Seeking a full-time position as a 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

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

Rails Lite (Ruby)   Github
Web Server MVC framework (inspired by Ruby on Rails)
• Router invokes a controller action based on request URL and method
• Renders/redirects to HTML templates and attaches a cookie with session information to the response

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

momajd.com   github.com/momajd   linkedin.com/in/momajd