

TARIQ ALI

✉ tra38@nau.edu 🌐 tra38.github.io ☎ (480) 580-8960 🐦 Tariq_Ali38 in /in/trali 📺 tra38

SKILLS

FRAMEWORKS/TOOLS: Ruby on Rails, jQuery, Materialize, Sinatra, Bootstrap, ReactJS, RSpec, RailsAdmin, ActiveAdmin, CoffeeScript, Angular 1.X (AngularJS), jQuery UI

LANGUAGES: Ruby, JavaScript, HTML, CSS, SQL, Python, C#, C++

EXPERIENCE

Software Design Engineer (Contract), *Microsoft*

Jul 2017 - Nov 2017

- Participated in a project to automate the interview scheduling process at a department, with an emphasis on helping the team build an internal .NET (C#) web application. Wrote client-side and server-side validation for user input, wrote automated tests and manual test cases, and set up a build process. Conducted some initial research into PowerApps and Microsoft Flow to help the rest of the team incorporate these technologies into the automation project.
- Participated in a project to help identify critical issues within an application, and presented this project to other people within the organization. Wrote C# and C++ code to instrument telemetry, and used internal tools to generate e-mail alerts based on that telemetry.

Freelancer, *Ramal Tech*

Apr 2017 - Current

- Working with different clients on a variety of different web-development projects.
- Advising a client on how to bring a product delivery business to market, helping them maintain their Wordpress website and building out an admin dashboard that uses Ruby on Rails.
- Maintaining an educational web app, which uses Ruby on Rails on the backend and Angular 1.X on the front-end.
- Built a report generator using Calyx (a Ruby gem) and created a Ruby on Rails website for gathering data using jQuery and RailsAdmin.

Software Engineer, *Firespring*

Feb 2016 - Dec 2016

- Developed and maintained websites for Firespring's clients, including Yoganonymous (a Yoga social networking website), SL Green, Fisher Brothers, and Nebraska Educational Telecommunications. Focused on backend web development and front-end JavaScript. Used jQuery, RailsAdmin, RSpec, CoffeeScript, Angular 1.X and Ruby on Rails. Worked on a team of 4-6 people.
- Worked on technological "spikes" to determine the feasibility of new projects (examples: built a insurance rate calculator using a reverse-proxy using Node JS, rebuilt an internal website using ReactJS, tested an online form using RSpec and FactoryGirl).
- Worked with account managers to determine clients' problems and to discover possible solutions to their problems
- Reviewed other people's pull requests, conducting "code reviews" and "Quality Assurance" tests as appropriate.
- Participated in an Agile work environment with weekly developer meetings and daily standups, where we discussed ideas and suggestions to improve our team's performance.

Web Developer, *Digital Fractal Technologies*

2015 - 2016

- Developed a "Content Management System" to allow users to update their own "tour guide" mobile applications, with Sinatra (a Ruby framework) and Bootstrap.

Web Developer, *Serene Technologies*

2015 - 2016

- Built the "UTradeBook" web app (a website allowing people to buy and sell books and notes) using Ruby on Rails and Bootstrap.
- Maintained SOLARO, an educational web app built on Ruby on Rails and using the ActiveAdmin gem.

Administrative Assistant and Webmaster, *Southwest Medical Center (Dr. Syed Azeemuddin)*

2014 - 2015

- Created and maintained a Wordpress website for a 501(c) non-profit organization, and sent out periodic newsletters about the organization.
- Developed several other Wordpress websites for Dr. Syed Azeemuddin as well.
- Created, maintained, and entered information into databases.
- Answered e-mail messages and give information, took messages, or transferred e-mails to appropriate individuals.

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PROJECTS

ZombieWriter

Dec 2016 - Current

ZombieWriter is an open-source Ruby gem that generates short news articles based on rearranging the order of user-provided paragraphs. Provides proper citation (in the form of a hyperlink) to the original sources of these paragraphs. Users can specify whether they want to use "machine learning" (Latent Semantic Analysis and K-Means Clustering) or "randomization" when generating news articles.

Project Source Code: <https://github.com/tra38/ZombieWriter>

Calyx

In 2016, I contributed to Calyx, an open-source Ruby gem dedicated to generating text. I was responsible for bug fixes and implemented a new feature enabling the gem to be able to read input from JSON and YAML files.

Project Source Code: <https://github.com/maetl/calyx>

Hashography

Hashography visualizes how users are tweeting about certain words in real time, around the world. Written entirely in Javascript, it utilizes the Twitter and Google Maps API, Node.js, and Socket.io.

Project Source Code: <https://github.com/egarreau/hashography>

Friend Computer

Friend Computer is a program that can write blog posts. It retrieves information from Twitter and analyzes it using Alchemy API, and then writes a blog post based on its analysis. I was the sole person working on Friend Computer. The website was built on Sinatra (a Ruby framework).

Project Source Code: <https://github.com/tra38/FriendComputer>

EDUCATION

Dev Bootcamp (learned SQL, HTML, CSS, Ruby and JavaScript)

Web Design 2015

Northern Arizona University

Masters Political Science 2012

Arizona State University

Bachelors Political Science and History 2010