Allan Maxwell Blair

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SKILLS

Languages: Ruby, Go, HTML5, CSS3
Frameworks: Sinatra, Rails
Test-Driven-Development: MiniTest, RSpec, Capybara, go test
Tools: Git, Materialize CSS, Heroku, PostgreSQL, Protocol Buffers, BoltDB

PROJECTS

Vici - Group Project   **Private Repository (In Progress)**
- A simple open source CI service for executing builds across multiple operating systems on a user's own hardware
- Focused on key/value store validation and testing, Protocol Buffer serialization and command line interface
- Contributed to the client, server and model integration using HTTP and JSON serialization
- Tech stack: Go, Protocol Buffers, BoltDB

Carrots 'n Stuff - Group Project   **http://karrots-n-stuff.herokuapp.com/**
- Multi-tenancy e-commerce website for users to buy and sell goods
- Handled deployment, permissions and user dashboards while serving as team leader
- Built a Go micro-service to coordinate a live drone with user deliveries
- Tech stack: Rails, RSpec, Capybara, PostgreSQL, Heroku, Go, Parrot Rolling Spider API (Drone)

Feline-friendsy - Group Project   **http://felinefriendsy.herokuapp.com/**
- E-commerce website for users to rent cats
- Used the Reddit API to bring in cat related threads
- Worked with feature/unit testing, cart creation, user authentication, admin scoping and deployment
- Tech stack: Rails, Reddit API, RSpec, Capybara, PostgreSQL, Heroku

Chit-chat - Personal Project   **https://github.com/amaxwellblair/chit**
- Command line chat application that serves up messages from multiple connections
- Explored utilizing concurrency and long polling to run a chat server on a Digital Ocean droplet
- Self published tutorial featured in Golang weekly: http://golangweekly.com/issues/100
- Tech stack: Go

Red-black tree - Personal Project   **https://github.com/amaxwellblair/red_black_tree**
- Self balancing binary search tree data structure
- Focused on strengthening computer science fundamentals
- Tech stack: Ruby

WORK

J.P. Morgan - Investment Banking Analyst, New York, NY   Feb '13 – Sep '15
- Advised clients on how to unlock value through structuring, capital optimization and distribution policy
- Worked directly with companies including EMC, Motorola and Halliburton on select transactions
- Modeling experience includes Monte Carlo simulations, multivariate regression and other financial analysis
- Appointed Philanthropy Chair on the Analyst and Associate Council (AAC) – a body of 18 analyst and associates
- AAC developed initiatives to improve efficiency, culture and development of 700 analysts and associates

EDUCATION

Turing School of Software and Design, Denver, CO   Nov '15 – Jun '16
Certificate in Web Application Development with Ruby, Rails, and Javascript

Rensselaer Polytechnic Institute, Troy, NY   Sep '09 – Dec '12
B.S. Industrial and Management Engineering, GPA: 3.58, Cum Laude

Rensselaer Polytechnic Institute Varsity Men's Lacrosse, Troy, NY   Sep '09 – May '12
All Liberty League Honorable Mention, Liberty League All-Academic Team

Honors/Awards
Dean's List 2009-12, Rensselaer Leadership Award