

Richard W. Blake

(813) 990-7352 • richwblake@gmail.com • Tampa, Florida • [LinkedIn](#) • [GitHub](#)

SOFTWARE ENGINEER

Tech Skills

Ruby, Ruby on Rails, JavaScript, Rails, React, JSON Redux, C, C++, Express, Git, Java, Linux, MongoDB, Postgres, MySQL, Python, Regex, Swift, Unix/Linux, SSH, TCP/IP, Proxy/VPN

Projects

Liquid Snake (Rails, MySQL, React, Redux)

- Classic Snake game only using div class names and CSS
- Global top 10 leaderboard stored in database
- Rails backend API server JSON/MySQL database
- React SPA frontend configured to use Redux
- React Router to control routing/history
- All API calls are done via AJAX

Baker's Bench(Rails, MySQL, ERB, CSS)

- Recipe creator using Ruby on Rails
- Account creation either through normal user/pass creation or OAuth
- Allows users to create recipes and subscribe to others created recipes
- MySQL database stores all model information
- ERB templates used to render all HTML

Personal Blog (Rails, Postgres, ERB, CSS, JS)

- Ruby on Rails application created to serve my blog and other personal information
- Uses Postgres database to save blog posts
- Allows user creation and admin/user roles
- Users can comment on blog posts

D&D Fair Dice (Swift)

- iOS application to simulate Dungeons and Dragons Dice rolls
- Object Oriented MVC approach for separation of concerns
- Application also available for watchOS with same functionality

Experience

Developed the concept and served as team leader of 8 colleagues in the building of a natural language analysis tool using C++ from concept to completion over the course of 4 months.

- Revised behavior of the program post completion to function linguistically using Java

Participation in Hackathons: University of Florida Swamphacks 2017 and HackFSU 2018

Disability and Payroll Management (Aug 2018 - Present)

- Managed leave-related payroll for North America to ensure Citi employees received appropriate disability related pay
- Facilitated conceptual-level training to new-hires to explain motivation behind procedure
- Optimized procedures for Worker's Compensation processes

Education

- Bachelor of Arts, Linguistics, University of Florida, Gainesville, Florida (December 2017)
 - Honors GPA: 3.56
 - Related coursework: Programming Fundamentals I and II in Java and C++, Data Structures and Algorithms
- FlatIron School (November 2019 - October 2020)
 - Commitment to 10 month program to acquire tools needed to program and perform analysis on each part of the website design process
 - Full Stack program uses relevant and modern languages and libraries to give students marketable knowledge that they may bring to future employers
 - Completed all technical assessments without need for further review, and completed all coursework and projects while holding a full time job (40 hrs/wk)