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Colin D. Fike

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EMPLOYMENT

Senior Software Developer   **Mainstreet Computing**   **Fall 2014 - current**

Creative Manager and Live Editor
- Lead development of web app allowing clients to create campaigns and creative ad units that could be previewed and have assets modified on the fly through scoping, tasking, and programming roles using Ruby on Rails and Javascript.

Insurance Application Processing Proxy
- Lead development of proxy service that consumed an insurance application payload in JSON format, dynamically navigated the Healthcare.gov application, and saved the result of the application in PDF format using Ruby on Rails.

Recipe Manager and Substitution Generator
- Reverse engineered undocumented OAuth implementation on client's API in order to create custom OAuth code to access endpoints for the Rails App. Created custom back and next button handling to enable normal functionality of said buttons with Ajax loaded webpages.

Trivia Application
- Designed and implemented model backend and API architecture enabling match creation, question fetching, answer submitting, and match state information storage in case of match interruption for an iOS application using Ruby on Rails.

EDUCATION

Buffalo, NY   **University at Buffalo, SUNY**   **Fall 2010 - Spring 2014**

- B.Sc. Computer Science, Fall 2014. **GPA: 3.582**
- Coursework: Algorithm Analysis and Design; Programming Languages; Data Structures; Computer Architecture; Software Engineering Concepts; Theory of Computation; Distributed Systems, and others.

TECHNICAL EXPERIENCE

Independent Projects

- **Markovky** -- A Rails app that pulls a user's tweets and generates a Markov chain with a depth of two and a word map that tracks the frequency of certain words. Able to generate sentences based on a user's Markov chain as well as a word cloud from the word map. (WIP) [Link]
- **Parakeet** -- A Ruby gem that provides an easier way to validate arguments passed into Rails controller actions, focusing on API endpoints, without boilerplate or duplicated code. (WIP) [Link]

LANGUAGES AND TECHNOLOGIES

- Ruby/Ruby on Rails (proficient); C/C++ (working knowledge); Java (working knowledge); Javascript/jQuery/Ajax/Coffeescript (proficient); CSS/Bootstrap (proficient); HTML (proficient)
- MySQL; MongoDB
- UNIX/UNIX-like Systems
- AWS EC2 creation and configuration; Apache; Passenger
- Swagger API Framework/Specification