

770 West Ferry Street, Apt. 19B
Buffalo, NY 14222

Colin D. Fike

(716) 523-8130
colin.fike@gmail.com

EMPLOYMENT

Senior Software Developer

Mainstreet Computing

Fall 2014 - February 2017

Creative Manager and Live Editor (Project Lead)

- Enabled end users to create creative ad units via direct upload or existing templates.
- Enabled ad unit customization by implementing on the fly modification/update via dragging and dropping new assets onto the ad unit using Ruby on Rails and Javascript.

Insurance Application Processing Proxy (Project Lead)

- Automated completion of healthcare.gov applications using Watir browser to complete the applications based on a JSON payload to increase submission throughput using Rails.
- Implemented load balancing and simultaneous processing to increase system performance.

Recipe Manager and Substitution Generator (Project Lead)

- Reverse engineered custom OAuth implementation on client's API in order to create OAuth functionality to access endpoints via the Rails app.
- Provided custom browser history handling for the single page application to enable full forward/back button use.

Trivia Application (Project Lead)

- Provided match state consistency and game logic by designing/implementing model backend and API structure to enable question fetching, answer submitting, and match continuation in case of an app or device failure for an iOS application using Ruby on Rails.

EDUCATION

Buffalo, NY

University at Buffalo, SUNY

Fall 2010 - Spring 2014

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

TECHNICAL EXPERIENCE

Independent Projects

- **Ploosic** -- An independent Rails project that enables users to listen to and create playlists consisting of YouTube and SoundCloud tracks on a single site. Utilizes the provided widget API by both services and a javascript playlist manager to enable playlist listening. (WIP) [\[Link\]](#)
- **Markovky** -- An independent Rails project that generates sentences based on a markov chain of variable depth constructed using a user's tweets from their Twitter account. Generates word maps using the most often used words on a user's account. (WIP) [\[Link\]](#)

LANGUAGES AND TECHNOLOGIES

- Ruby/Ruby on Rails (proficient); Javascript/jQuery/Ajax/Coffeescript (proficient); CSS/Bootstrap (proficient); HTML (proficient); C/C++ (prior experience);
- MySQL; MongoDB
- AWS EC2 creation and configuration; Apache; Passenger; Unix