

Michael D. Budnick

michaeldbudnick@gmail.com

[linkedin.com/michael-budnick](https://www.linkedin.com/michael-budnick)

(860) 877-0888

www.github.com/Coroecram

www.mikebudnick.com

www.rssblur.com

DEVELOPER PORTFOLIO

RSSBlur [Git](#) | [Live](#)

User-populated website for following RSS feeds inspired by Newsblur.com

- Ruby on Rails backend with single-page Javascript React.js - Flux frontend
- Parsing of real-world RSS feeds with search and unread counters updated in real-time
- Optimized database hits from O(N) to O(1) time with serialized hash of ActiveRecord Objects

Bounty Hunter [Git](#) | [Live](#)

Browser-based Javascript game navigating a ship to money in a treacherous asteroid field

- Javascript on HTML Canvas code base with dynamic position population and great design
- Trigonometric and vector algebraic calculations of movement, rotation and collisions

ORM Ruby Metaprogramming [Git](#)

Object-Relational-Mapping inspired by ActiveRecord and executed with Ruby metaprogramming

- Unique and accessible table column names created with #method_missing
- Interaction with database tables via SQL heredocs providing CRUD functionality
- Belongs_to, has_many, and has_many_through associations can be defined on models

DEVELOPMENT SKILLS

Ruby	Ruby on Rails	Javascript	Reactjs-Flux	HTML/CSS	AWS
RSpec	AJAX	jQuery	Atom	SQL	Git

EDUCATION

App Academy New York, NY September 2015 – December 2015
Immersive, intensive, full-stack web developer training program with 80 hours of coding per week

St. John's University New York, NY

Master of Science	Biology	December 2013
Relevant Bioinformatics and Biostatistics Courses	R-based Biostatistic research project	
Bachelor of Arts	Anthropology	May 2012
Dean's List	Summa Cum Laude	

PROFESSIONAL EXPERIENCE

Columbia University New York, NY June 2014 – April 2015
Lab Technician

- Prioritized general lab maintenance, administrative and research duties with a team of six
- Analyzed experimental data and troubleshooted scientific protocols
- Prepared mice tissue samples for experiments and slides for four postdoctoral researchers

St. John's University Queens, NY August 2012 - December 2013
Graduate Student Teaching Assistant

- Analyzed datasets of tens of thousands of points across multiple samples and organisms
- Instructed lectures for courses in Anatomy, Genetics, and Microbiology
- Revised class materials for clearer presentations and study tools