Michael D. Budnick

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DEVELOPER PORTFOLIO

RSSBlur Git | Live

User-populated website for following RSS feeds inspired by Newsblur
- o Ruby on Rails backend with Javascript React-Flux architecture frontend
- o Custom validations and parsing for real website URLs and content

Bounty Hunter Git | Live

Browser-based Javascript game to collect money in an asteroid field
- o Javascript on HTML Canvas code base with dynamic position population
- o 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
- o Unique and accessible table column names created with #method_missing
- o Interaction with database tables via SQL heredocs for creation, finding, updating, and deletion

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 a less than 5% acceptance rate

St. John's University New York, NY

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

PROFESSIONAL EXPERIENCE

Columbia University Medical Center New York, NY June 2014 – April 2015

Lab Technician
- o Prioritized general lab maintenance, administrative and research duties with a team of six
- o Managed four mice colonies for research in spermatogenesis and cell cyclins
- o Prepared tissue samples for experiments and slides for four postdoctoral researchers

St. John's University Queens, NY August 2012 - December 2013

Graduate Student Teaching Assistant
- o Instructed lectures for courses in Anatomy, Genetics, and Microbiology
- o Revised class materials for clearer presentations and study tools
- o Demonstrated and supervised laboratory experiments for Undergraduate courses