

Bart Mach

267 992 3033
bart.mach@gmail.com
New York, NY



PROJECTS

Nomad Bliss

[GitHub](#) • [Live](#)

Find the perfect place to work remotely.

- Queries RESTful API of Ruby on Rails backend to send and fetch data from Postgres database for on-the fly UI and database state update.
- Generates JavaScript-driven user interface by combining React components with Redux state control system, allowing for seamless user experience.

CrossTire

[GitHub](#) • [Live](#)

Inspired by classic board game Crossfire.

- Utilizes HTML5 Canvas with JavaScript to simultaneously render dozens of realistically colliding game objects.
- Loops using requestAnimationFrame to provide silky smooth graphics.

auDOMatic

[GitHub](#)

Harness the power of the HTML DOM

- Wraps HTML DOM to provide easy to use API for manipulating HTML objects.
- Integrates AJAX into solution, allowing for backend connectivity.

EDUCATION

Case Western Reserve University

- 2006 BS Computer Engineering
- 2013 Master of Business Administration

App Academy NYC

- 1000 hour full stack web development program with < 3% acceptance rate

EXPERIENCE

Software Developer • Affinity Algorithms

November 2013 - May 2016

- Independently developed automated data mining application using Python2, Scrapy and MySQL running in Debian Linux environment.
- Deployed on Amazon EC2 and RDS, enabling daily collection of over 10,000 data points.

Language Instructor • Maeho Middle School

Daegu, Republic of Korea (South Korea)

August 2014 - August 2015

- Independently planned and performed English speaking and listening lessons to over 1000 students.

Analyst • Case Western Reserve University

Cleveland, OH

January 2010 - June 2014

- Engineered custom PL SQL data mining and Crystal Reports solutions on demand to generate highly targeted marketing materials and events.

Systems Analyst • Concurrent

Solon, OH

January 2006 - June 2007

- Programmed and remotely launched over 200 Redhat Linux Video-On-Demand intelligence servers, capturing and reporting on video viewing data in every major US and Canada market.
- Developed deployment tracking web application using Ruby on Rails and MySQL to monitor hundreds of installations from a single web page.

SOFTWARE SKILLS

Ruby on Rails • JavaScript • React • Redux • Python •
jQuery • AWS • SQL • git • CSS • HTML