

Michael Garate

Software Engineer
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EXPERIENCE

Etsy, New York City | etsy.com

Software Engineer on Marketing Services Team, July 2015-Current

- Designed automated CPC bidding system for Google Shopping Ads
- Created workflow to collect and store billions of time-sensitive records on ad performance
- Authored PHP enumeration library to help catch bugs with static analysis before the code is run
- Led team to build system for Etsy to match seller ad costs, increasing the chance of a sale
- Guided team discussions about long term planning and code review habits

Wildcard, New York City

Software Engineering Intern, May-August 2014

- Designed public API, led development of SDK in Java and Rails application for partners to programmatically provide structured data for the Wildcard iOS app
- Developed product features on Java 7 Dropwizard platform, using Jersey for REST and Jackson for JSON serialization/deserialization
- Exercised collaborative workflow with unit tests, code reviews, and staging environments

4Site Interactive Studios, Washington, DC

Assistant Developer, June-August 2011, January-July 2012, June-August 2013

- Developed Drupal, WordPress, and HTML-powered websites in communication with graphic designer, lead developer, project manager, and clients
- Created logos and promotional material for clients

EDUCATION

New York University, Gallatin School of Individualized Study (May 2015)

- BA in Individualized Study: **Technological Entrepreneurship**, combining undergraduate and graduate level Computer Science studies with business courses
- GPA: 3.65, Dean's List 2011, 2013

hackNY Fellowship, class of 2014 | hackny.org

PROJECTS

boxx Interpreted programming language written in Rust (in progress) | github.com/mpgarate/boxx

CifraChat Encrypted communication channel for two-person messaging | cifrachat.com

Flyerpenguin.com Generate a print-ready flyer from a Facebook event URL. 1st Place at Spring 2014
hackNY Student Hackathon, presented at New York Tech Meetup | flyerpenguin.com

Bleep.js Tone generation library for composing music in JavaScript | www.github.com/mpgarate/bleep.js

Labthing.com Ruby on Rails application for a collaborative business planning service

TECHNICAL SKILLS

Languages

Proficient in PHP, Java, Rust, Ruby, HTML/CSS
Familiar with SQL, JavaScript, Python, Scala, Go, C

Frameworks & Tools

Rails, Django; Bootstrap, Git, Vim, Linux