

Martín Martínez Rivera

100 Memorial Drive Apt. 5-4B

martinmr@mit.edu

(617)-866-0089

EDUCATION

Massachusetts Institute of Technology (Cambridge, MA)

B.S. in Computer Science and Engineering, February 2015

Massachusetts Institute of Technology (Cambridge, MA)

M. Eng. in Computer Science and Engineering, June 2015

WORK EXPERIENCE

World Wide Web Consortium (Cambridge, MA)

Undergraduate Research Assistant, September 2014 - ongoing

- ▶ Working on the Crosscloud Project, an effort to make decentralized web applications a reality.
- ▶ Implementing the necessary algorithms to support the JSON-LD format, a JSON-based serialization for Linked Data.

A9.com (Palo Alto, CA)

Software Development Engineer, June 2014 - August 2014

- ▶ Took an existing system that powers Amazon's visual search technology and made it available as an internal service for other teams at Amazon.
- ▶ Designed both the features and wrote the implementation of the new service.
- ▶ Wrote scripts and unit tests to identify possible bugs and test that service returns desired results.
- ▶ Deployed the system to a data center to be tested by coworkers and possible customers.
- ▶ Run stress tests to measure the performance of the service under real conditions.

Amazon (Seattle, WA)

Software Development Engineer, May 2013 - August 2013

- ▶ Designed a scalable and configurable analytics and metrics platform to store hierarchical data from multiple data-sets.
- ▶ Dealt with design ambiguities and took decisions to steer the project in the right direction
- ▶ Implemented the system on a No-SQL database allowing large sets of data to be processed in a short time.
- ▶ Implemented a metric system that updates metrics values for desired entries and allows the programmer to easily support his own metrics.
- ▶ Implemented a flexible querying engine capable of producing results in under 0.1 seconds for large data sets for queries across multiple fields and hierarchy levels.
- ▶ Created a sample UI to showcase the possible uses of the back-end.

ACT.md (Allston, MA)

Back-end Programmer Intern, January 2013

- ▶ Designed metrics for a dashboard feature that allows the CEO of the company and other power users of the service to keep track of the company's state.
- ▶ Implemented and tested the back-end of said dashboard.
- ▶ Collaborated with the front-end team to create the desired experience.