Martín Martínez Rivera

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EDUCATION

Massachusetts Institute of Technology (Cambridge, MA)

B.S. in Computer Science and Engineering, Febraury 2015. GPA: 4.5/5.0

Massachusetts Institute of Technology (Cambridge, MA)

M. Eng. in Electrical Engineering and Computer Science, August 2015. GPA: 4.9/5.0

WORK EXPERIENCE

Quantcast (San Francisco, CA)

Software Engineer, September 2015 - Present

- Implemented an improvent to our data dowloading services that lowered the deployment time of configuration changes.
- Implemented a logging system that better organizes output and allows access via a web interface.
- Helped migrate one of the core services to the Amazon's AWS cloud service.
- Worked on setting a complete bidding datacenter on AWS.

World Wide Web Consortium (Cambridge, MA)

Undergraduate Research Assistant, September 2014 - August 2015

- 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.
- Worked on multiple improvements to ldnode, an implementation of the Linked Data Platform backend in node.js.

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 costumers.

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.
- Implemented the system on a No-SQL database allowing large sets of data to be processed in a short time.
- 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.