Martín Martínez Rivera

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US Permanent Resident

EDUCATION

Massachusetts Institute of Technology: B.S. in Computer Science. GPA: 4.5/5

Massachusetts Institute of Technology: M. Eng. in Computer Science. GPA: 4.9/5

WORK EXPERIENCE

Google (Sunnyvale, CA)

Software Engineer, October 2016 - Present

- Member of the Cloud Networking team, responsible for the virtual network infrastructure and features of the Google Cloud Platform.
- Worked on the Network Peering and Internal Load Balancer features.
- Took the Internal Load Balancer with Failover feature to alpha.
- Optimized programming of subnets in GCP auto networks to reduce total memory and bandwidth usage by ~90%.

Quantcast (San Francisco, CA)

Software Engineer, September 2015 - September 2016

- Worked on the Infrastructure team, responsible for implementing and maintaining the Quantcast's bidding infrastructure, responsible for serving millions of requests per second.
- Implemented an improvent to our data dowloading services that lowered the deployment time of configuration changes.
- Helped migrate one of the core services to AWS.
- Worked on setting a complete bidding datacenter on AWS.

World Wide Web Consortium (Cambridge, MA)

Graduate Research Assistant, September 2014 - August 2015

- Worked on the Crosscloud Project, an effort to make decentralized web applications a reality.
- Implemented 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, an Amazon subsidiary (Palo Alto, CA)

Software Development Engineer Intern, June 2014 - August 2014

- Worked on the Visual Search team, responsible for implementing and maintaining the services responsible for visual search on the Amazon mobile app.

Amazon (Seattle, WA)

Software Development Engineer Intern, May 2013 - August 2013

- Worked on the Retail team responsible for gathering data about products not sold on Amazon with the aim of spotting the best products to add to the catalogue.

SKILLS

Experienced in: Backend infrastructure, distributed systems, networking, software design.
Interested in: Computer graphics, database and storage systems, quantitative trading.
Programming languages: Professional experience in C++, Java, Python, Golang, among others.