Jay H. Ravaliya

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http://jayravaliya.com

EDUCATION

New Jersey Institute of Technology — Newark, NJ
Master of Science in Computer Science — *May 2015 - May 2017*

Rutgers, the State University of New Jersey — Piscataway, NJ
Bachelor of Science in Biomedical Engineering — *September 2009 - January 2014*

PROFESSIONAL EXPERIENCE

Elemental Path — New York, NY
Software Engineering Intern — *September 2016 - present*
- Rewrote Friendgine, our legacy chat bot web service in Java, in Python using the Flask framework, architected to support 3,000+ DAU and 100,000+ requests/day.
- Created Toolkit, a series of Web Applications to manage, monitor and analyze our platform.
- Established a deployment strategy using Ansible and AWS to deploy Friendgine and Toolkit for new licensing partners in minutes.

Apple — Cupertino, CA
Software Engineering Intern — *May 2016 - August 2016*
- Created a Notifications web service to extend APNS, Email and iMessage support to the 15+ Web and Mobile Applications our team manages.
- Wrote an analytics microservice that, given historical bug fix rates of SWE teams, predicts future team capacity, giving Project Managers visibility to resource constraints.

Elemental Path — New York, NY
Software Engineering Intern — *January 2016 - April 2016*
- Built a comprehensive web-based IDE for RiveScript, an artificial intelligence scripting language, used by our team to write content for our Smart Toy product line, CogniToys.

RESEARCH

Rutgers University Center for Cognitive Science — Piscataway, NJ
Undergraduate Research Associate — *July 2010 - July 2013*
- Programmer for the *Laboratory of Vision Research* and the *Sensory-Motor Integration Lab*.
- Created visual animations in MATLAB and designed hardware/software solutions using Arduino, C++ and MATLAB to enable and administer studies.
- Publications via Google Scholar: `https://goo.gl/nF5kjs`

LEADERSHIP

Hackathons — *May 2015 - May 2017*
- Attended 20+ hackathons as a hacker and mentor across the US, both collegiate and professional.
- Gave tech talks to new hackers on using API's, mobile entrepreneurship, web engineering, etc.
- Projects via Devpost: `https://goo.gl/YdYkd7`

Engineering Governing Council
President — *May 2012 - May 2013*
- Democratically elected to represent 3,200+ Engineering students at the University level.
- Managed 15 Executive Board members and 80 elected and appointed students of the Council.

SKILLS

Languages:	PHP, Python, Ruby, JavaScript, SQL, Swift, Java, VBA
Frameworks:	Laravel, Flask, Sinatra, iOS SDK, AngularJS, Bootstrap
Databases:	MySQL, PostgreSQL, SQLite, MongoDB, Redis
Infrastructure:	AWS (EC2, RDS, S3, Route 53, ElastiCache), Digital Ocean, Linode, Heroku