

**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

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**PROFESSIONAL EXPERIENCE** **Apple** Cupertino, CA  
*Software Engineer* June 2017 - present

- Web Applications Engineer on the Software Analytics and Tools Team, an Internal Tools Team within the Software Engineering organization.

**Elemental Path** New York, NY  
*Software Engineering Intern* September 2016 - April 2017

- 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.

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**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>

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**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 APIs, mobile entrepreneurship, web engineering, etc.
- Projects via Devpost: <https://goo.gl/YdYkd7>

**Engineering Governing Council** May 2012 - May 2013  
*President*

- 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.

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**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

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