

Jay H. Ravaliya

jayrav13@gmail.com | jayravaliya.com | (973) 896-7552 | Greater NYC Area

<https://linkedin.com/in/jayrav13> | <https://github.com/jayrav13>

| | | | |
|------------|---|--|--|
| EDUCATION | New Jersey Institute of Technology Rutgers University | M.S., Computer Science B.S., Biomedical Engineering | May 2015 – May 2017 (<i>expected</i>) September 2009 – January 2014 |
| TECHNICAL | Languages: <u>Proficient:</u> PHP, Python, Ruby, Swift, SQL, VBA. <u>Familiar:</u> C, Java, Objective-C, JavaScript, MATLAB. Frameworks, Databases: Laravel, Sinatra, Flask, iOS SDK, CocoaPods, Bootstrap, AngularJS, jQuery, MySQL, Postgres, SQLite. | | |
| EXPERIENCE | Elemental Path , Software Engineering Intern <i>August 2016 – Present</i> <ul style="list-style-type: none">Building 5-7 new Internal Tools and Services supporting content creation, analytics and ETL for our Smart Toys, CogniToys.Streamlining content creation for CogniToys by creating abstraction layers atop our chat engine technology and scripting language.Technical Stack: PHP Laravel, Python Flask, AngularJS, MySQL, PostgreSQL, NGINX, Vagrant, Ansible, Amazon EC2. Apple , Software Engineering Intern <i>May 2016 – August 2016</i> <ul style="list-style-type: none">Created a Pub/Sub platform for email, APNS and iMessage to reduce time spent implementing notifications for our 15+ Internal Tools.Generated predictions for future performance of SWE teams by analyzing historical bug fix rates to help PM's plan project resources.Technical Stack: Ruby Sinatra, AngularJS, PostgreSQL, RabbitMQ. Elemental Path , Software Engineering Intern <i>January 2016 – May 2016</i> <ul style="list-style-type: none">Created a web IDE for RiveScript, an AI scripting language, to centralize our content creation process and integrate supporting tools.Technical Stack: PHP Laravel, JavaScript, MySQL, NGINX, Vagrant, Amazon EC2. PepsiCo – Pepsi Beverages Company , Supply Chain Analyst <i>April 2014 – May 2015</i> <ul style="list-style-type: none">First business-facing Data Analyst in the Supply Planning Organization to write applications in Excel VBA to solve business challenges.Wrote an algorithm to identify viable outlets for obsolete raw materials that identifies \$500,000 in cost savings opportunities per week.Implemented automation that reduced my weekly efforts from 40 hours to 6 hours per week, giving me time to tackle new challenges. Rutgers University Center for Cognitive Science , Undergraduate Research Associate <i>July 2010 – July 2013</i> <ul style="list-style-type: none">Wrote software, contributed to papers and ran studies for the <i>Laboratory of Vision Research</i> and the <i>Sensory-Motor Integration Laboratory</i>.Created tools for multiple studies, including Arduino / C++ controllers, MATLAB visualizations and MS Excel analytics.Co-authored and supported multiple papers, abstracts and posters related to my contributions to the team. | | |
| PROJECTS | CatTax , https://github.com/jayrav13/cat-tax <i>January 2016</i> <ul style="list-style-type: none">Built a Python/Flask hack and API Mashup that texts pictures of cats to all registrants every hour, on the hour.Curated all images from Imgur's API, validated image content through Clarifai's API, and sent MMS through Twilio's API. Cap & Skull Senior Honor Society , http://capandskull.org <i>November 2015 – December 2015</i> <ul style="list-style-type: none">Built our first new website in 25 years, worked with a content creator and designer, and managed feedback from 100+ active members.Technical Stack: Python Flask, JavaScript / jQuery, Bootstrap, MySQL, AWS EC2. Events at NJIT , https://github.com/jayrav13/njit-events-api <i>October 2015</i> <ul style="list-style-type: none">Created an open sourced API and iOS app for NJIT Events by parsing and storing a calendar file on a weekly basis.Wrote a Twitter bot (@EventsAtNJIT) to tweet upcoming events throughout the day, generating interest from NJIT stakeholders. Find My Health , University of Pennsylvania's PennApps Hackathon. <i>September 2015</i> <ul style="list-style-type: none">Winners of Venture for America's "Best Social Innovation Hackathon – Build Something That Matters" Award.Built the API for this iOS app, which helps users with non-life-threatening emergencies find hospitals with the least ER Wait Time. | | |
| LEADERSHIP | Web Engineering Lead , Association of Computing Machinery <i>January 2016 – April 2016</i> <ul style="list-style-type: none">Managed a 25-student organization focused on learning web technologies and building applications using modern best practices. President , Engineering Governing Council <i>May 2012 – May 2013</i> <ul style="list-style-type: none">Elected to lead an 80-student council responsible for representing 3,200 engineering students at Rutgers University. | | |