

James Mullenbach

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EDUCATION	<i>Bachelor of Science in Computer Science (Concentrations: Intelligence & Media), Bachelor of Science in Physics,</i> Georgia Institute of Technology (Atlanta, Georgia) GPA: 3.93/4.00	Expected December 2016
	<i>Master of Science in Computer Science (Planned Fast-Track)</i> Georgia Institute of Technology (Atlanta, Georgia)	Starting January 2017
	Certificate in <i>Data Manipulation at Scale: Systems and Algorithms</i> , Coursera (U Washington)	
RELEVANT EXPERIENCE	<i>Software Engineering Intern</i> Urjanet	May 2016 - Present Atlanta, GA
	<ul style="list-style-type: none">Developed, debugged, tested, and deployed new features for a group of cloud microservices using Spring, Ansible, Packer, and Amazon Cloudformation/SWF.Scripted critical money-saving AWS tasks such as upgrading API usage and cleaning unused EC2 resources in bash and Python.Wrote and performed integration, end-to-end, and load tests with JUnit and JMeter.	
	<i>Undergraduate Research Assistant</i> Borodovsky Computational Genomics Laboratory	Aug 2015 - May 2016 Atlanta, GA
	<ul style="list-style-type: none">Developed novel machine learning algorithms for the identification of short protein-coding genes using ribosome profiling data. Earned President's Undergraduate Research Award.	
	<i>Software Engineering Intern</i> Urjanet	May 2015 - Aug 2015 Atlanta, GA
TECHNOLOGY SKILLS	<ul style="list-style-type: none">Upgraded data extraction operation to asynchronously pre-process PDF images, employing AWS and enhancing scalability for expected influx of ~20,000 image sets per month.Worked with an agile team to ship first release of both a client web portal and RESTful API, making UI/UX design decisions.	
	<i>Undergraduate Research Assistant</i> Georgia Tech School of Physics	May 2013 - May 2015 Atlanta, GA
	<ul style="list-style-type: none">Built apparatus to study dynamics and bifurcations of two-dimensional fluid flows.Programmed GUI and utilized image processing to study phagocytosis of white blood cells.	
PROJECTS	<i>Programming Languages:</i> Java, Python, JavaScript, C, Assembly, MATLAB, SQL <i>Technologies:</i> Spring, AWS, Play!, Linux, Git, jQuery, Bootstrap, L ^A T _E X, AngularJS, Cassandra	
	<i>Relevant Image Suggestions - Python Flask, Heroku, NLTK, various APIs (Team Project)</i> <ul style="list-style-type: none">Built an interactive Chrome Extension to display suggested images to accompany a body of text, using Google Search, face detection, and NLP techniques.	
	<i>WorkReadyGrad mobile application - AngularJS, HTML/CSS, Git (Team Project)</i> <ul style="list-style-type: none">Developed a hybrid mobile application prototype designed to prepare college students for post-graduate life. Responsible for social network sharing and several individual features.	
	<i>Dynamical systems simulation - Java (Research Project)</i> <ul style="list-style-type: none">Simulated the physics of a string of beads falling off a platform to explore nonlinearities. Applied physical principles and collision detection to a Java applet.	
ACTIVITIES & LEADERSHIP	<i>President, Delta Sigma Phi</i>	Nov 2015 - Present
	<ul style="list-style-type: none">Oversee all organization functions, set and maintain alignment towards goals, and lead weekly Executive Board and general chapter meetings for over 60 members.	
	<i>FASET Orientation Leader, Georgia Tech</i>	Mar 2016 - Present
	<ul style="list-style-type: none">Facilitate orientation activities and acclimate new students to the campus environment.	
	<i>Secretary & External Relations Chair, Delta Sigma Phi</i>	Nov 2014 - Nov 2015
	<ul style="list-style-type: none">Created a chapter-wide mentorship program to connect students with alumni in their field.Acted as liaison and representative for school Greek system and fraternity headquarters.	
	<i>Campus Tour Guide, Georgia Tech</i>	Sep 2013 - Dec 2015
	<ul style="list-style-type: none">Represented Georgia Tech to over 60 prospective students, parents, and visitors per month through tours tailored to accommodate unique needs and requests.	