

# Nick Greenquist

## Software Engineer

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Experience	<b>Google</b> <b>Software Engineer</b> - Joining the Android product team upon graduation <b>August 2019</b> <i>Mountain View, CA</i>
	<b>Bluecore</b> <b>Software Engineer Intern</b> - Developed a new email delivery pipeline to decrease CPU costs by 7x (Python, Kubernetes, Datastore) - Helped achieve feature parity by: updating Redis, filtering invalid emails, accessing campaign metadata, integrating Google KMS, handling tracking parameters, and architecting base classes for unit testing - Wrote and maintained a suite of end to end tests to measure the health of services by using a Gmail API to verify emails arrived after running through the entire pipeline for each ESP (Selenium) <b>May 2018 - August 2018</b> <i>New York City, NY</i>
	<b>Enigma Technologies</b> <b>Data Engineer Intern</b> - Worked on big data ETL workflows to ingest both professional data and public data for <a href="#">Enigma Public</a> - Developed custom data acquisition software as part of an agile Data Engineering team (Python, Pandas) <b>January 2018 - April 2018</b> <i>New York City, NY</i>
	<b>GeekHive</b> <b>Software Developer Intern</b> - Developed a cross platform mobile application for a Fortune 500 company (React Native, Typescript) <b>May 2017 - August 2017</b> <i>Warwick, NY</i>
	<b>eHealth Technologies</b> <b>Software Developer Intern</b> - Created a HIPAA compliant workflow automation tool that cut processing time by 50% (C#, .NET, SQL) <b>August 2015 - May 2016</b> <i>Rochester, NY</i>
Education	<b>New York University, Courant Institute of Mathematical Sciences</b> <b>MS, Computer Science</b>   <i>Machine Learning Concentration</i> <b>GPA: 3.93/4.0</b> <b>September 2017 - May 2019</b> <i>New York City, NY</i>
	<b>Rochester Institute of Technology, Golisano College of Computing</b> <b>BS, Game Design and Development</b>   <i>Computer Science Minor</i> <b>GPA: 3.92/4.0</b>   <i>summa cum laude</i> <b>August 2012 - May 2017</b> <i>Rochester, NY</i>
Teaching Experience	<b>New York University</b> <b>Graduate Adjunct</b> - Recitation lecturer for 4 total sections of Data Structures across fall 2018 and spring 2019 semesters <b>September 2018 - Current</b> <i>New York City, NY</i>
	<b>New York Cares</b> <b>Volunteer Tutor</b> - Math SAT tutor for local high school students in the New York City area <b>October 2018 - Current</b> <i>New York City, NY</i>
Skills	<b>Languages</b> Python, C#, C++, Go, Javascript, HTML, CSS, Java, Lisp, SQL <b>Libraries/Frameworks</b> Scikit-Learn, Pandas, Numpy, CUDA, React Native, Node.js, Socket.io, Selenium <b>Tools</b> Git, HDFS, Hadoop, Spark, RapidMiner, Command Line, Unity, Maya <b>Other</b> Machine Learning, Interactive Media, Technical Writing, Public Speaking
Projects	<b>Books2Rec: Machine Learning Meets Reading</b> <i>Python, Pandas, Surprise, Jupyter, Flask</i> - <a href="#">Hybrid Recommender System</a> for books trained on over 6 million ratings from Goodreads and Amazon - Combined an optimized Matrix Factorization model with a Content Based item feature model
	<b>Cu2Rec: Parallelized Matrix Factorization with GPUs</b> <i>CUDA, C++, Python</i> - Developed a parallelized version of Matrix Factorization for Recommender Systems using GPUs - Achieved over a 10x speedup when compared to popular sequential CPU Matrix Factorization libraries
	<b>Algorand Agreement</b> <i>Go, Kubernetes</i> - Implemented <a href="#">Algorand Agreement</a> , a Byzantine Agreement consensus algorithm for distributed systems
	<b>MultiQuest</b> <i>HTML5 Canvas, Node.js, Socket.io, Redis, MongoDB, Heroku</i> - Multiplayer mobile-responsive web game that handles multiple lobbies and players at the same time
Leadership	<b>NCAA Wrestling, RIT</b> <b>Team Captain</b> , 3x Academic All-American 2012 - 2017 <b>Student Athlete Advisory Committee, RIT</b> <b>Executive Board</b> , Financial Director (Paid) 2013 - 2017