

Nick Greenquist

Software Engineer

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Experience	Google Software Engineer - Joining the Android product team upon graduation	August 2019 Mountain View, CA
	Bluecore Software Engineer Intern - 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)	May 2018 - August 2018 New York City, NY
	Enigma Technologies Data Engineer Intern - Worked on big data ETL workflows to ingest both professional data and public data for Enigma Public - Developed custom data acquisition software as part of an agile Data Engineering team (Python, Pandas)	January 2018 - April 2018 New York City, NY
	GeekHive Software Developer Intern - Developed a cross platform mobile application for a Fortune 500 company (React Native, Typescript) - Application was a finalist in the 2018 Appy Awards and has been downloaded over 30,000 times	May 2017 - August 2017 Warwick, NY
	eHealth Technologies Software Developer Intern - Created a HIPAA compliant workflow automation tool that cut processing time by 50% (C#, .NET, SQL)	August 2015 - May 2016 Rochester, NY
Education	New York University, Courant Institute of Mathematical Sciences MS, Computer Science Machine Learning Concentration GPA: 3.93/4.0	September 2017 - May 2019 New York City, NY
	Rochester Institute of Technology, Golisano College of Computing BS, Game Design and Development Computer Science Minor GPA: 3.92/4.0	August 2012 - May 2017 Rochester, NY
Teaching Experience	New York University Graduate Adjunct - Recitation lecturer for 4 total sections of Data Structures across the fall 2018 and spring 2019 semesters	September 2018 - Current New York City, NY
	New York Cares Volunteer Tutor - Math SAT tutor for local high school students in the New York City area	October 2018 - Current New York City, NY
Skills	Languages Python, C#, C++, Go, Javascript, HTML, CSS, Java, Lisp, SQL Libraries/Frameworks Scikit-Learn, Pandas, Numpy, CUDA, React Native, Node.js, Socket.io, Selenium Tools Git, HDFS, Hadoop, Spark, RapidMiner, Command Line, Unity, Maya Other Machine Learning, Interactive Media, Technical Writing, Public Speaking Certifications Deep Learning Specialization (Link), Machine Learning (Link)	
Projects	Books2Rec: Machine Learning Meets Reading - Hybrid Recommender System 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	<i>Python, Pandas, Surprise, Jupyter, Flask</i>
	Cu2Rec: Parallelized Matrix Factorization with GPUs - 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	<i>CUDA, C++, Python</i>
	MultiQuest - Multiplayer mobile-responsive web game that handles multiple lobbies and players at the same time	<i>HTML5 Canvas, Node.js, Socket.io, Redis, MongoDB, Heroku</i>
Leadership	NCAA Wrestling, RIT	Team Captain , 3x Academic All-American 2012 - 2017
	Student Athlete Advisory Committee, RIT	Executive Board , Financial Director (Paid) 2013 - 2017