Nick Greenquist

Software Engineer

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Education

New York University
September 2017 - May 2019

Master of Science, Computer Science, *Machine Learning Concentration*   *New York City, NY*
GPA: 3.9/4.0

Rochester Institute of Technology
August 2012 - May 2017

Bachelor of Science, Game Design and Development, *Computer Science Minor*   *Rochester, NY*
GPA: 3.92/4.0 - summa cum laude

Experience

Enigma Technologies
January 2018- Present

Data Software Engineering Intern   *New York City, NY*
- Worked on big data ETL workflows as part of an agile team (Python)
- Ingested both professional data and also public data to aid the Enigma Public initiative

GeekHive
May 2017 - August 2017

Software Developer Intern   *Warwick, NY*
- Developed a cross platform mobile application for a Fortune 500 company (React Native, Typescript)
- Created and wired many of the components and screens together (Redux, Router)
- Worked on an agile team delivering flexible requirements for the client and pushed production level code

eHealth Technologies
August 2015 - May 2016

Software Developer Intern   *Rochester, NY*
- Lead developer for a HIPAA sensitive workflow automation tool (C#, .NET, SQL)
- Cut workflow process time by over 50%, reduced human error, and allowed for scaling without additional hires
- Prototyped a medical document classifier and customer support sentiment analyzer for the CTO (C#)

Skills

Languages (Proficient)	C#, C++, Python, Javascript, HTML, CSS
Languages (Familiar)	C, Java, Scheme (LISP), SQL, MongoDB
Libraries/Frameworks	React Native, Node.js, Socket.io, Scikit-Learn, Pandas, Numpy
Tools	Git, HDFS, Apache Spark, RapidMiner, Unity, Maya
Other	Machine Learning, Game Programming, Technical Writing, Public Speaking

Projects

Book Recommendation System- Github   *Rapid Miner, Mahout, Python*
- WIP using 6 million Goodreads ratings and additional 2.5 million hash-joined ratings from Amazon
- Prototyped in RapidMiner using user-based collaborative filtering on a subset of this dataset and also in Mahout

News Articles Crawler and Classifier- Github   *Python, Scikit-learn, BeautifulSoup*
- Web crawler that scrapes 2000 articles from numerous rss feeds per day (Python)
- Multiple Scikit-learn classifiers and clustering used to determine the accuracy of conventional news categories

Text Document Clustering- Github   *Apache Spark, Pyspark*
- Spark project that uses a Mapreduce implementation of K-Means to cluster thousands of text documents
- Uses Minhash to generate feature vectors and evaluates performance using Jaccard Similarity

MultiQuest - multi-quest.herokuapp.com   *HTML5 Canvas, Node.js, Socket.io, Redis, MongoDB, Heroku*
- Multiplayer mobile-responsive web game. Handles multiple players being able to play at the same time
- Player skill progression, multiple weapons and armors, savable accounts, and global leaderboard

Activities and Awards

NYU Programming Team	Member	2017 - Present
NCAA Wrestling	RIT Team Captain, 3x Academic All-American	2012 - 2017
RIT Student Athlete Advisory Committee	Executive Board - Financial Director (paid)	2013 - 2017

RIT Academic Awards
- Excellence in Student Life Award   2017
- Outstanding Undergraduate Scholar   2016
- Public Speaking Champion   2015