Nick Greenquist
Software Engineer

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Education

New York University
Master of Science, Computer Science, Machine Learning Concentration
GPA: 3.9/4.0

September 2017 - May 2019
New York City, NY

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

August 2012 - May 2017
Rochester, NY

Experience

Enigma Technologies
Data Engineering Intern

January 2018- Present
New York City, NY

- Worked on big data ETL workflows to ingest both professional data and public data for the Enigma Public mission
- Helped develop custom data acquisition software as part of an agile team (Python, Pandas)

GeekHive
Software Developer Intern

May 2017 - August 2017
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
Software Developer Intern

August 2015 - May 2016
Rochester, NY

- Created a HIPAA sensitive workflow automation tool for the Imaging Department (C#, .NET, SQL)
- Cut workflow process time by over 50%, reduced human error, and allowed for scaling without additional hiring
- 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, MIPS Assembly, Scheme (LISP), SQL, MongoDB
Libraries/Frameworks   React Native, Node.js, Socket.io, Scikit-Learn, Pandas, Numpy
Tools   Git, HDFS, Hadoop, Spark, RapidMiner, Linux CLI, Unity, Maya
Other   Machine Learning, Interactive Media, Technical Writing, Public Speaking

Projects

Recs4Books: Machine Learning Meets Reading- Try it Out!   *Python, Tensorflow, Surprise, Jupyter, Flask*
- Hybrid Recommender System combining Gradient Descent optimized Latent Factor Models and an Autoencoder to learn embeddings the metadata features of 10,000 books
- Hash-joined 6M Goodreads and 2.5M Amazon book ratings from over 50,000 users
- Used NYU's High Performance Cluster to run Hyperparameter Grid Search on ratings matrix to find lowest RMSE
- Web App allows users to get real time recommendations based on their Goodreads profile or for a single book title

MultiQuest - Play It!   *HTML5 Canvas, Node.js, Socket.io, Redis, MongoDB, Heroku*
- Multiplayer mobile-responsive web game that handles multiple players being able to quest at the same time
- Player skill progression, multiple weapons and armors, savable user accounts, and global leaderboard

News Articles - Crawler and Classifier- View Code   *Python, Scikit-learn, BeautifulSoup*
- Web crawler that scrapes 2000 articles per day and performs classification/clustering to

Text Document Clustering- View Code   *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

Activities

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

Awards

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