Nick **Greenquist**

Software Engineer

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Education

New York University   **September 2017 - May 2019**
M.S, Computer Science | *Machine Learning Concentration*   *New York City, NY*
GPA: 3.95/4.0

Rochester Institute of Technology   **August 2012 - May 2017**
B.S, Game Development | *Computer Science Minor*   *Rochester, NY*
GPA: 3.92/4.0 | summa cum laude

Experience

Bluecore   **May 2018 - August 2018**
Software Engineer Intern   *New York City, NY*
- Developed a new back-end pipeline to decrease costs by over 5x (Python, Kubernetes, Redis)
- Created a cron job to monitor and alert engineers if specific services failed (Python, Datadog)
- Wrote and maintained a suite of end to end tests to measure the health of services (Selenium)

Enigma Technologies   **January 2018 - April 2018**
Data Engineer Intern   *New York City, NY*
- 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 team (Python, Pandas)

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)
- Application was a finalist in the 2018 Appy Awards and has been downloaded over 30,000 times

eHealth Technologies   **August 2015 - May 2016**
Software Developer Intern   *Rochester, NY*
- Created a HIPAA compliant workflow automation tool for the Imaging Department (C#, .NET, SQL)
- Cut workflow time by over 50%, reduced human error, and allowed for scaling without additional hiring

Teaching Experience

New York University   **September 2018 - December 2018**
Graduate Employee Adjunct   *New York City, NY*
- Lecturer for 2 recitation sections of CSCI-UA 0102 Data Structures under professors Peterson and Ko

Skills

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

Projects

Books2Rec: Machine Learning Meets Reading- Try it Out!   *Python, Pandas, Surprise, Jupyter, Flask*
- Hybrid Recommender System for books trained on over 6 million ratings from Goodreads and Amazon
- Combined a Gradient Descent optimized Latent Factor model with a Content Based model
- Trained models using Hyperparameter Grid Search on NYU's High Performance Computing cluster
- Built a website to allow users to get recommendations using Goodreads accounts or with individual titles

MultiQuest - Play It!   *HTML5 Canvas, Node.js, Socket.io, Redis, MongoDB, Heroku*
- Multiplayer mobile-responsive web game that handles multiple lobbies and players at the same time

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

Leadership

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

Activities and Awards

Programming Team, NYU   Member   2017 - 2018
Academic Awards, RIT
Excellence in Student Life Award (2017) | IGM Undergraduate Delegate (2017)
Outstanding Undergraduate Scholar (2016) | Public Speaking Champion (2015)