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: 3.91/4.0

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 email delivery pipeline to decrease costs by over 5x (Python, Kubernetes)
- Helped achieve feature parity by: updating Redis counters, filtering invalid emails, accessing necessary campaign metadata, handling tracking parameters, and architecting base classes for unit testing
- Created a cron job to monitor and alert support team if AdWord campaigns failed (Python)
- 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)

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 Data Engineering team (Python, Pandas)
- Ported critical legacy data intake workflows to Airflow and new data acquisition library

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 that cut process time by 50% (C#, .NET, SQL)

Teaching Experience

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

Skills

Languages C#, C++, Python, Javascript, HTML, CSS, Java, Matlab, Lisp, SQL
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 *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

MultiQuest *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 *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

Awards

Academic Awards, RIT
Excellence in Student Life Award (2017) | IGM Undergraduate Delegate (2017)
Outstanding Undergraduate Scholar (2016) | Public Speaking Champion (2015)