

Sean Cooke, MS

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GitHub: <https://github.com/SeanCooke>

SKILLS

- Experienced full-stack software engineer focused on machine learning
- Highly qualified with Python, scikit-learn, JavaScript, MySQL, Java, Linux, Hadoop, Spark, R, and CSS
- Skilled in Machine Learning, Web Application Development, Databases, and Distributed Systems
- Talented with design and efficient implementation of algorithms and data structures
- Passionate about creating practical, scalable, data-driven solutions to complex, real-world issues

EXPERIENCE

University of Rochester Medical Center, Rochester, NY

June 2014-Present

Software Engineer

- Design, implement, and support <https://urattendance.urmc.rochester.edu>, an attendance tracking website for medical residents and fellows; allows physicians more time with patients; reduces administrative time by 2 hours per meeting
- Create web-based reports leveraging secure, clinical trial (HIPAA) data to steer decisions
- Utilize Agile Scrum methodology with heavy focus on documentation as member of small team
- Received Strong Star Award 5 times for outstanding software engineering; Nominated for 2017 Meliora Award for years of outstanding organizational contributions (highest honor awarded to staff members)

KrowdFile, New York, NY

December 2013-June 2014

Senior Software Engineer

- Quantified how 'good' a freelancer is by mathematically determining and implementing KrowdScore, a numerical value between 1 and 100 aggregated from ratings across many freelancing websites

PROJECTS

The Effect of High Salaries on MLB Players

<http://www.sean-cooke.com/docs/mlb-salaries.pdf>

- A comparative study using classification and clustering to conclude MLB players do not perform significantly better after receiving a 'big money' salary and new contracts reflect past performances rather than expected future performance

tweetcloud

<https://github.com/SeanCooke/tweetcloud>

- Twitter word cloud generator which creates beautiful, colorful tweet visualizations for a given user

EDUCATION

University of Rochester, Rochester, NY

August 2015-May 2017

- Master of Science in Computer Science; GPA: 3.46

SUNY Geneseo, Geneseo, NY

January 2011-May 2014

- Bachelor of Arts in Mathematics, Minor in Computer Science; Dean's List Spring 2014
- Geneseo Recognizing Excellence, Achievement, and Talent (GREAT) Day Mathematics Lecturer
- Geneseo Opportunities for Leadership Development (GOLD) Program Certified