

Sean Cooke, MS

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SKILLS

- Experienced data scientist with years of success as a full-stack software engineer
- Highly qualified with Python, R, Java, C, PHP, SQL, HTML, JavaScript, jQuery, CSS, and Bash
- Skilled in Data Visualization, Version Control, MapReduce, Spark, Hadoop, XML, and NoSQL
- Knowledgeable with design and efficient implementation of algorithms and data structures
- Well-versed with full software development life cycle for heavily used, production applications
- Swiss-army knife programmer who thrives working with latest technologies
- Passion for creating practical, scalable, data-driven solutions to complex, real-world issues

EXPERIENCE

University of Rochester Medical Center, Rochester, NY

June 2014-Present

Software Engineer

- Designed and implemented <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
- Update and maintain main administrative system for University of Rochester medical students
- Administer secure software package for clinical trial (HIPPA) data collection and storage
- Develop applications with database connectivity, LDAP integration, and two-factor authentication
- Member of small team that utilizes an Agile Scrum methodology with heavy focus on documentation
- 2017 Meliora Award nominee for years of outstanding service and organizational contributions; highest honor awarded to staff members
- 5 time Strong Star Award recipient for outstanding software engineering

KrowdFile, New York, NY

December 2013-June 2014

Senior Software Engineer

- Quantified how “good” a freelancer is by mathematically determining KrowdScore, a numerical value between 1 and 100 determined by ratings across many freelancing websites
- Implemented KrowdScore using PHP and MySQL
- Worked closely with business analysts and quality assurance engineers to ensure synergy

EDUCATION

University of Rochester, Rochester, NY

August 2015-May 2017

- Master of Science (MS) in Computer Science
- GPA: 3.46

SUNY Geneseo, Geneseo, NY

January 2011-May 2014

- Bachelor of Arts (BA) in Mathematics, Minor in Computer Science
- GPA: 2.92 – Dean’s Honor List Spring 2014
- Geneseo Recognizing Excellence, Achievement, and Talent (GREAT) Day Mathematics Lecturer
- Geneseo Opportunities for Leadership Development (GOLD) Program Certified