

Ryan T. Morey

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Education:

- Rutgers, The State University of New Jersey May 2018
 - Pursuing a B.S. in Mechanical Engineering with a double major in Computer Science
 - Enrolled in the School of Engineering Honors Academy
 - GPA: 3.82/4.00

Experience:

- Student Systems Programmer at Rutgers Open System Solutions 2015 - Present
 - Responsible for maintaining open source software used by the university
 - Work on maintaining packages for CentOS 5 and 6, and Solaris
 - Work on developing a web application for OSS with Python, Flask, and MySQL
- Lead Programmer for Columbia High School's Varsity Robotics Team 2013 - 2014
 - Used RobotC to program a student-built robot to compete in US First's FTC competition
 - Directed a team of three other programmers, working collaboratively with about five other team members
 - Contributed to the design and mechanical construction of the robot
 - Ranked #1 Team at the 2014 New Jersey State Championships
- Math is a Sport! LLC Lead Intern 2012 - 2014
 - Wrote Python/Sage programs to generate Algebra and Calculus problem sets of 200+ questions each
 - Lead small teams of about four interns in producing problem set generators
 - Contributed to the design of Math is a Sport!'s iOS app, *Touch 'N Slide Calculator*
- New Jersey Governor's School of Engineering and Technology 2013
 - Selected as one of 88 scholars in New Jersey to participate in an engineering summer program at Rutgers University
 - Worked with two other students on a project titled [Parallelizing Programs for the Multicore Era](#)
 - Demonstrated ways to use the multi-threading capabilities of modern CPU's

Skills:

- Programming languages: Python, HTML/CSS/JS, C, Java, BASH scripting
- Environments/Software: SolidWorks, MATLAB, LaTeX, RPM, PSpice, Word, Excel, PowerPoint

Activities/Leadership/Interests:

- Rutgers Undergraduate Student Alliance of Computer Scientists: Co-director of Education 2015
- Rutgers University Glee Club
- High School Marching Band High Brass Section Leader 2012 - 2014
 - Lead and taught about eight trumpet players and about three mellophone players each year
 - Organized and conducted sectional rehearsals, resolved any conflicts within the section

Awards/Recognition:

- New Jersey Science League - 7th place statewide 2013 -2014
 - Competed in the AP Physics C exam competition
 - Ranked 7th individually in the state out of several hundred participants
 - Contributed to Columbia High School's team winning 4th place statewide
- John Phillips Sousa Band Award and National Marching Band Award 2014