

Ryan T. Morey

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Education:

- Rutgers, The State University of New Jersey *New Brunswick, NJ - May 2018 (expected)*
 - Pursuing a Bachelors of Science in Mechanical Engineering with a double major in Computer Science
 - Enrolled in the School of Engineering Honors Academy
 - Fall 2014 GPA: 3.82/4.00
 - Relevant Coursework:
 - Fall 2014 : Calc III, Principles of Electrical Engineering, Engineering Mechanics: Statics
 - Spring 2015: Differential Equations, Intro to Linear Algebra, Basic CAD, Mechanical Engineering Computational Analysis and Design, Mechanics of Materials

Experience:

- Student Systems Programmer at Rutgers Open System Solutions *New Brunswick, NJ January 2015 - Present*
 - Responsible for maintaining open source software used by the university
 - Work on maintaining packages for CentOS 5 and 6
 - Currently working on the payroll web app for OSS, using Python 3
- Lead Programmer for Columbia High School's Varsity Robotics Team *Maplewood, NJ - 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 in a large part 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 *Maplewood, NJ - 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 *New Brunswick, NJ - 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

Awards/Recognition:

- New Jersey Science League - 7th place statewide *Maplewood, NJ - 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 *Maplewood, NJ - 2014*

Activities/Leadership/Interests:

- Marching Band High Brass Section Leader *Maplewood, NJ - 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
- President of the Columbia High School Computer Programming Club *Maplewood, NJ - 2013 - 2014*
- Boy Scouts of America Troop 21 Patrol Leader *Maplewood, NJ - 2010 - 2012*

Skills:

- Computer Programming
 - Experienced in Python, HTML, Matlab, Java, C, BASH scripting
 - Experienced using the Git version control system
 - Proficient in CSS, Javascript, Perl, LaTeX typesetting
 - Very experienced in Linux, used on a daily basis
 - Experience in multithreaded programming, specifically in C, using pthreads
- Office Software: Word, Excel, PowerPoint
- Moderate experience with 3-D Printing using MakerBot Printers

References available upon request