

Ryan T. Morey

rmorey.com | ryantmorey@gmail.com | github.com/rmorey

Education:

- Rutgers, The State University of New Jersey - New Brunswick, NJ
 - B.S. in Mechanical and Aerospace Engineering **May 2018**
 - Double Major in Computer Science and Minor in Mathematics
 - Enrolled in the School of Engineering Honors Academy
 - GPA: 3.56/4.00

Experience:

- Student Systems Programmer at Rutgers Open System Solutions **January 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
- Course Instructor for the New Jersey Governor's School of Engineering and Technology - **July 2015**
 - Instructed a course to 20 students on building a self balancing robot using Arduino
- 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, Arduino, MATLAB, LaTeX, RPM, PSpice, Word, Excel, PowerPoint

Activities/Leadership/Interests:

- Rutgers Undergraduate Student Alliance of Computer Scientists: Co-director of Education **2015 - 2016**
- Rutgers University Glee Club **2014 - Present**
- Rutgers University AIAA **2014 - Present**
- 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:

- High school 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**