

# Adam Schueller

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## Education

Rice University | Houston, TX | Expected Graduation May 2021

- GPA: 3.44/4.33
- Bachelor of Science in Computer Science
- Current Coursework: Algorithmic Thinking, Fundamentals of Computer Engineering, Engineering Leadership Lab, Calculus 2, Writing about Greek Drama

Homeschooled | Mars, PA | May 2017

- GPA: 3.98/4.0
- SAT Score: 1550/1600
- Relevant Coursework: Programming for Engineers, Great Theoretical Ideas in Computer Science,

## Skills

- Languages (in order of proficiency): Java, Python, C++, HTML, CSS, JavaScript, CSS
- Machining Tools: Waterjet, 3D Printer, Mill, Lathe, Laser Cutter, Powder Coating

## Experience

Power Wheels Autonomous Vehicle Team | Jun 2017 – Aug 2017

Polygon Robotics, Pittsburgh, PA

- Used Python and JavaScript to perform lidar visualization and autonomous navigation
- Wrote software to control motors and sensors using an Arduino micro-controller
- Designed and manufactured custom laser cut parts using OnShape CAD software

BrainSTEM Robotics Team Captain | September 2013 – May 2017

BrainSTEM Learning, Baden PA

- Volunteered at dozens of Lego robotics events, serving as a referee and robot judge
- Taught classes on creating proportional line followers, and using functions to middle schoolers at annual rookie Lego robotics team event
- Manufactured, designed, and programmed dozens of award-winning robots for competition in the First Tech Challenge program

Leap@CMU Student | Jun 2016 – Aug 2016

Carnegie Mellon University, Pittsburgh PA

- Attended daily 4 hour lectures given by CMU faculty covering topics such as machine learning, robotics, and data science
- Used Fusion 360 CAD software to design a robot that shuffled and dealt cards

## Awards

- President's List student at Butler County Community College (October 2017)
- Commended for National Merit Scholarship (December 2016)
- Member of Phi Theta Kappa Honors Society at Butler County Community College (October 2017)
- 1<sup>st</sup> place design award and top 10 finish at FTC Robotics St. Louis World championships (April 2017)
- 1<sup>st</sup> place overall award at FTC Robotics Pennsylvania State championships (January 2017)