# Adam Schueller

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## Education

**Rice University - Houston, TX**                                      Expected Graduation May 2021

GPA - 3.2/4.33
Bachelor of Science in Computer Science

Relevent Coursework - Introduction to Program Design, Probability and Statistics for Data Science, Algorithmic Thinking, Computational Thinking, Fundamentals of Computer Enginnering

**Homeschooled - Mars, PA**                                                       Graduated May 2017

GPA - 3.98/4.0
SAT - 1550/1600

## Skills

**Languages** - Python, JavaScript, Java, Ruby, HTML, CSS, C++

**Tools and Frameworks** - Rails, RSpec, Phaser, Express, React, jQuery, MongoDB, Docker, Heroku

## Experience

**Intern at Carnegie Mellon Robotics Academy**                          May 2018 – Present
**National Robotics Engineering Center, Pittsburgh, PA**
- Developed an HTML5 game using Phaser giving CS2N users an interactive way to learn about circuits
- Added several features to the Robotic's Academy's ruby on rails learning management system CS2N
- Wrote curriculum teaching students about the REV robotics platform and basic electronics
- Created content pages for CS2N using HTML and S3 guiding students through simple Raspberry Pi robotics activities

**Capital One Software Engineering Summit**                          May 20 2018 – May 25 2018
**Capital One Labs, Clarendon, VA**
- Attended multiple tech talks covering topics ranging from AWS to creating a chat bot
- Participated in a hackathon and developed a web application that translated customer support calls in real time

**Power Wheels Autonomous Vehicle Team**                          Jun 2017 – Aug 2017
**Polygon Robotics, Pittsburgh, PA**
- Wrote a Node.js application to perform lidar visualization and autonomous navigation
- Wrote scripts 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
- Manufactured, designed, and programmed dozens of award-winning robots for competition in the First Tech Challenge program