

# Shreyas Gatuku

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## Education

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### **Carnegie Mellon University**, Pittsburgh, PA

Bachelor of Science in Electrical and Computer Engineering  
Additional Major in Robotics  
GPA: 3.65

2015 – 2019

### **Briar Woods High School**, Ashburn, VA

Advanced Studies High School Diploma with Honors, 4.46/4.00 GPA, Class Rank – 18  
National AP Scholar, National Honors Society, National Merit Scholar

2011 - 2015

### **Loudoun County Academy of Science**, Sterling, VA

Gifted Program for Math, Science, and Research  
University of Illinois Dual Enrollment Multivariable Calculus Credit

2011- 2015

## Experience

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### **Sprint**, Reston VA

Summer 2016

*Information Technology Intern*

- Worked on the maintenance and performance of the corporate website
- Used data analytic tools such as Elk, Splunk, and Keynote

### **Hwa Chong Institute International Research Collaboration**, Singapore

2013-2014

*Research Intern*

- Studied the Improvement of the Power Efficiency of the Savonius Vertical Axis Wind Turbine with Parabolic Blade Geometries
- 2<sup>nd</sup> place in Hwa Chong Research Fair, 1<sup>st</sup> place in Academy of Science Research Fair

### **Flow**

Summer 2016

*Personal Project*

- Web Application to generate and visualize dance routes
- Used HTML/CSS, JavaScript, jQuery, and PHP

### **Virginia Governor School for Math, Science, and Technology**

Summer 2014

*Student / Representative from County*

- Studied Intro to Circuitry and Intro to Programming

### **Lego STEM Academy**

Summer 2013, 2014

*Co-Founder and Instructor for Robotics and Aeronautical Engineering*

- Started local summer camp to inspire STEM in middle school and elementary school students through hands on projects

## Activities

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### **Carnegie Mellon Solar Racing**, Pittsburgh, PA

2015-2016

- Work on electrical and mechanical systems of a solar powered boat for boat racing competitions

### **Carnegie Mellon Sahara**, Pittsburgh, PA

2015-2016

*Public Relations Officer, Dancer*

- Bollywood fusion dance team

### **FIRST Robotics**, Leesburg, VA

2011-2015

*Member and Competitor (Lead Designer, Electrical Engineer, Mechanical Engineer, Driver)*

- FRC: 1<sup>st</sup> place Rookie Inspire Award Regionals, Competed in World's Championship St. Louis
- FTC: Competed in State Competition 4 years and Super-Regional Competition 1 year

## Skills

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CAD Design (AutoDesk, Creo, TinkerCad), Java, python, HTML-CSS-JavaScript, PHP, Android, Arduino