

College Address:

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Corey Spohn

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1286 Auburn Grove Lane
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EDUCATION

Virginia Tech | **B.S. Physics**, Graduating May 2018
B.S. Engineering Science and Mechanics, Graduating May 2018
Minors: **Math, Astronomy**
GPA: **3.74**

RESEARCH AND LABORATORY EXPERIENCE

Mar 2017-
Present | **Team Leader** for Dr. Abaid's Senior Design Team
-In charge of meetings, programming, communicating with advisers, and resolving team disputes.
-Building a team of robots that use pursuit/evasion algorithms and motion tracking to play Sharks and Minnows with humans in order to refine our human-robot interaction computer model.

Jan 2017-
Present | **Research Assistant** for [The Boreyko Group](#)
-Designed and carried out experiments to study passive anti-frosting surfaces as well as the mechanics of inter-droplet ice bridging.
-Wrote Python applications to speed up research calculations and data processing.

2017 | **Mechanics Lab**
-Performed experiments and signal processing to measure strain, pressure, temperature, and acceleration using both National Instruments and Arduino systems.
-Engineered a small, autonomous system to alert cyclists of approaching cars.

2016 | **Research Assistant** for [The Socha Lab](#)
-Used a 3d motion capture system to analyze how flying snakes cross gaps between branches.

2016 | **Mechanics of Materials Lab**
-Performed tensile, fracture, and compressive tests on polymers and metals using Instron and MTS testing machines.

2016 | **Fluid Mechanics Lab**
-Performed drag tests on various bodies, flow analysis, and scientific writing.

COMPUTER SKILLS

Basic Knowledge | C, C++, HTML, Inventor, GitHub, \LaTeX

Intermediate Knowledge | Python, Arduino, Microsoft Office, Mathematica, MATLAB

Public Projects | github.com/CoreySpohn

SCHOLARSHIPS AND HONORS

2017 | **Hugh D. Ussery** Physics Scholarship
Awarded for excellence in scholarship and a promising career.

2014, 2015,
and 2016 | **Robert C. Richardson** Physics Scholarships
Awarded for academic talent, responsibility, and industry.

2016 | **Sigma Pi Sigma** Physics National Honors Society

2012 | **Eagle Scout**

OTHER WORK AND VOLUNTEER EXPERIENCE

2014-
Present | **Preschool Teacher**, Reston Children's Center
-Worked as a substitute teacher for 2-5 year-olds.
-Volunteered when no substitute was required.

2014-
2015 | **Food Technician**, Virginia Tech Dining Services
-Trained in customer service and delivered quality service in a fast paced environment.