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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
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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.