

Colin Snow

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Portfolio: <https://colinmsnow.github.io/Portfolio/index.html>

GitHub: [colinmsnow](https://github.com/colinmsnow)

781-915-8321

Passionate about engineering, sailing, and all things robotic. I endeavor to reinvent the way that people interact with the world around them.

Education:

Olin College of Engineering - Needham MA May, 2022

Bachelor of Science in Robotics Engineering; GPA 4.0

Relevant Courses: Machine Learning, Quantitative Engineering Analysis, Software Design, Principles of Engineering

Sharon High School - Sharon, MA GPA: (5.6/6) June, 2018

Magna Cum Laude Diploma, National Honor Society, Excellence in Physics

Experience:

Project MORA (Miniature Oscillating Robotic Agent): - Needham, MA 2018-Present

Leader of small research team working on autonomous robotic fish swarms and their applications for environmental sensing

Filament Winder: - Needham, MA 2019-Present

Designed, built, and programmed a machine to create strong composite tubes by laying long strands of filament in calculated patterns

Teaching Assistant - NUVU School: - Cambridge, MA 2019

Taught high school class in computer vision and robotics centering on path planning

Robotics: FTC Team 0001- Sharon High School 2014-2017

Lead robot designer facilitating CAD, iterative design, and 3D printing

Implemented computer-vision algorithms for autonomous operation

Mentor, FTC Team Technado, Boston Public Schools and First Global Team Cuba 2016-Present

Brought expertise and resources to underfunded and inexperienced programs

Leadership and Activities:

Eagle Scout 2017

Sailing Team Captain, Olin College 2018-Present

Compete across New England in the New England Interscholastic Sailing Association

Teach/tutor Engineering and Physics students, Sharon High School 2017-2018

Volunteer -ReMember, Oglala Lakota Indian Reservation, South Dakota 2016

Building projects to improve living conditions for the Lakota people

Skills:

Software: Python, C++, OpenCV, SolidWorks, MATLAB, Adobe Photoshop, Fusion 360

Machine Shop Trained: Composites, Mill, Lathe | Conversant in French

Hobbies:

Sailing, Cooking, Hiking, Photography, Climbing, Skiing, Thinking