

Alton K. Coolidge

(207) 230-9857 altonkcoolidge@gmail.com

[linkedin.com/in/alton-coolidge-235062269](https://www.linkedin.com/in/alton-coolidge-235062269)

Education:

B.S. Mechanical Engineering | Olin College of Engineering, Needham, MA *Anticipated 2026*
Course Work: Mechanical Design, Software Design, Qualitative Engineering Analysis I, II, & III, Thermodynamics I & II, Principles of Integrated Engineering, Products and Marketing, Collaborative Design, Mechanics of Solids & Structures, Engineering Systems Analysis, Applied Math for Mechanical Engineers.

Work Experience:

Lowe Hardware (Machine Shop): Rockland Maine *Summer 2020*

- Intern/Production Associate - Responsible for assembly and documentation of the prototype unit of a new product line. Assemble and disassemble parts as needed. Finish various metal parts to exacting specs. Package individual parts and prep for shipping.

Pelagic Borealis (Expedition Vessel): Arctic Circle *Summer 2023*

- First Mate on 4000 nautical mile trip from Maine to Greenland and Arctic Circle on 54-foot sailing vessel
- Served as chief Engineer and Mechanic for Skip Novak
- Led watch overseeing and teaching two green crew members

Automotive Detailing: Round Pond Maine *Summer 2021-2022*

- Founded a mobile automotive detailing business
- Responsible for scheduling and logistics of all components

Team O'Neil Rally: Camden Maine *2019 - 2022*

- Performed maintenance on a SAAB 911 rally car both on and off stage
- Design and fabrication of rear suspension

Pelagic Borealis (Expedition Vessel): Newfoundland *Summer 2019*

- First Mate on 3000 nautical mile trip circumnavigating Newfoundland on 54-foot sailing vessel
- Assisted on an extensive refit and sailed under captain Kirsten Neuschafer
- Sat solo watch at 14

Personal Projects:

- Sole mechanic modifying VW GTI for autocross and track use
- Worked directly with Massachusetts Transit Authority to test the validity of adding outlets to subway cars
- Designed suspension components for the Olin BAJA SAE car for the 2022 race season including A arms, trailing arms, knuckles, and the brake pedal assembly
- Mechanical lead on Olin team that created a camera tripod with facial recognition and tracking

Skills

- SolidWorks, AutoDesk Fusion, KeyShot, Matlab, Python, Fabrication, Mechanic, Photography