
Peter Ha

5 Elm Street
Brookline, MA 02445
peterha.com

857-321-1112
peterha@bu.edu
[linkedin.com/in/peter-ha](https://www.linkedin.com/in/peter-ha)

Education

Boston University

Class of 2022 GPA: 3.41

Majoring in mechanical engineering with a concentration in aerospace engineering and a minor in political science

Relevant Coursework: Aerodynamics, Measurement and Instrumentation, Heat Transfer, Fluid Mechanics, Energy and Thermodynamics, Manufacturing Processes, Mechanics of Materials, Material Science

Relevant Experience

Rogue Space Systems Corporation / Aerospace Engineering Intern

May 2020 - Present

Integrated components and their interfaces for a 12U cubesat on a rapidly evolving mission on a tight timeline

Liaised the integration of various parts from several manufacturers, ensuring their compliance with internal and external design criteria

Boston University Rocket Propulsion Group / Vice Director, Engine Development Lead

September 2018 - Present

Pivoted from a new engine architecture towards iterating on a proven heritage, streamlining our testing timeline with a heavy focus on reducing cost, manufacturing difficulty, and system complexity

Led a team of undergraduate and graduate students on a very tight timeline and budget in the design of a liquid bi-propellant, regeneratively cooled rocket engine

FIRST Robotics Team 125: The NUTRONS / Mechanical Student

September 2014 - April 2018

Designed, machined, and assembled engineering solutions for four robots, ranging in complexity from movement to manipulation systems

Served as a leading mechanical student, finding solutions to complex engineering problems while working with and leading fellow high schoolers in designing a competition robot

Other Experience

Committee to Elect Jay Gonzalez / Fellow

July - November 2018

Organized, canvassed, and called in a field-focused approach to promoting and supporting Jay Gonzalez's campaign for governor of Massachusetts

Office of Senator Elizabeth Warren / Intern

August - September 2017

Acted as a liaison between constituents and government, determining how best to resolve problems and working with the appropriate staffer to do so

Skills

Design

Designed, prototyped, and manufactured mechanical systems beginning with four years of robotics competition and continuing through personal projects and BU Rocket Propulsion Group, gaining extensive experience in SolidWorks and MATLAB

Fabrication

Machined parts of my own design using CNC and manual mills and lathes, and a plethora of handheld power tools with experience in rapid prototyping via 3D printing and laser cutting

Communication

Conceived of and externalized descriptions of challenges and solutions in both engineering and political environments, providing both technical and layman's explanations in each setting