



HARVARD COLLEGE RESUME EXAMPLE (ENGINEERING)

Undergraduate Resource Series

Mignone Center for Career Success | 54 Dunster Street

Harvard University | Faculty of Arts and Sciences

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Education

Harvard University

Cambridge, MA

Bachelor of Science: Mechanical Engineering. GPA: 3.55

May 2025

Relevant Coursework: Computer Aided Machine Design, Thermodynamics, Engineering Design Seminar, Solid Mechanics, Mechanical Systems, Materials, Data Structures and Algorithms.

Design Project: Aerobic Charge: Converting kinetic energy during exercise to electrical charge.

Hartford High School

Hartford, CT

Salutatorian. GPA: 97%. Honors Science Program. 1st place winner, Robot Challenge.

June 2021

Engineering Research Experience

Harvard University Laboratory for Nanoscale Optics

Cambridge, MA

Research Assistant

June – Aug 2023

- Optimize the dry etch recipe for titanium dioxide and polycrystalline diamond thin films.
- Fabricate photonic devices (ridges, ring resonators, microdisks, photonic crystals) in TiO₂ and polycrystalline diamond films.
- Characterize the fabricated photonic devices using a transmission setup.

California Institute of Technology Nanotech Research Center

Pasadena, CA

Research Experience for Undergraduates Intern

June – Aug 2022

Project: Microfabrication of Thin-film Heaters to Simulate Hotspots.

- Fabricated devices for testing the effectiveness of a nanoscale patch used to cool down hotspots on microprocessors.
- Utilized cleanroom facilities to create devices that contain a hotspot heater and temperature sensors to simulate heat generation.

Additional Experience

Harvard School of Engineering and Applied Sciences

Cambridge, MA

Course Assistant

Sept 2023 – present

- Hold weekly office hours, providing tutoring and problem set instruction for students in Computer Science 50: Introduction to Computer Science.

Leadership and Activities

Harvard College Engineering Society, Vice President

Sept 2023 – present

- Organize monthly meetings and activities for the engineering community at Harvard.
- Host guest speakers, manage listserv, and plan events.

Projects and Skills

Projects: Electric Bicycle: designed electrical and mechanical systems for custom 1kW bike
Smart Appliance: IoT toaster based on Raspberry Pi, Python code, & 3D-printed body

Laboratory: Cleanroom fabrication experience, including photolithography, e-beam lithography, metallization, thin film deposition, etching, metrology, SEM imaging.

Technology: Knowledge of HTML, CSS and programming in C, PHP, JavaScript, Python.
Experience with MATLAB, SolidWorks, Microsoft Office Suite, Adobe Creative Suite, Google SketchUp.

Languages: Spanish (intermediate), German (beginner).