



HARVARD COLLEGE RESUME EXAMPLE (ENGINEERING)

Undergraduate Resource Series

Mignone Center for Career Success | 54 Dunster Street

Harvard University | Faculty of Arts and Sciences

mcs@fas.harvard.edu | careerservices.fas.harvard.edu



MIGNONE CENTER
FOR CAREER SUCCESS

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Mignone Center for Career Success
Harvard University Faculty of Arts & Sciences
Cambridge, MA 02138
mcs@fas.harvard.edu
careerservices.fas.harvard.edu

Robert Garcia

123 Leverett Mail Center
Harvard College
Cambridge, MA 02138-6175

rgarcia@fas.harvard.edu
(203) 555-1234

Education

Harvard University

Cambridge, MA

Bachelor of Science: Mechanical Engineering. GPA: 3.55

May 2027

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. Honors Science Program. 1st place winner, Robot Challenge.

June 2023

Engineering Research Experience

Harvard University Laboratory for Nanoscale Optics

Cambridge, MA

Research Assistant

June – Aug 2025

- 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.

National Nanotech Research Center

Pasadena, CA

Research Experience for Undergraduates Intern

June – Aug 2024

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 2025 – 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 2024 – present

- Organize monthly meetings and activities for the engineering community at Harvard.
- Host guest speakers, manage communications, 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: Advanced HTML, CSS and programming in C, PHP, JavaScript, Python.
Intermediate MATLAB, SolidWorks, Adobe Creative Suite, Google SketchUp.

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