MOEEN RAZZAQUE

moeenrazzaque@college.harvard.edu | linkedin.com/in/moeenrazzaque | www.moeenrazzaque.com Electrical Engineer with Manufacturing Background Aiming to Break Into Product Design Engineering

EDUCATION

HARVARD UNIVERSITY

Cambridge, MA

Bachelor of Science in Electrical and Computer Engineering; GPA: 3.8/4.0

Expected Dec 2026

Relevant Coursework: Circuits, Photonic Devices, Computer-Aided Machine Design, Computer Science, Material Mechanics, Micro-Electro-Mechanical Systems, Physics (I, II, & III), Economics, Humanitarian Engineering Design, Product Design (MIT)

Honors: Michael Dell Scholar (\$20K), Abbvie Award (\$5K), Kleiner Perkins Fellow, Exceptional Senior by Congressman Roy

WORK EXPERIENCE

AMAZON ROBOTICS

Boston, MA

Hardware Engineering Intern

May – Aug 2025

- Designed 8 fixture assemblies for new manufacturing lines, saving \$120K+ & reducing structural assembly time by 20%
- Prevented 3 critical failures & saved \$25K+ as interim technical program manager, presenting multiple times to leadership
- Led planning phase for new \$2.6M infrastructure project, coordinating between 7 internal teams/external contractors
- Functioned as team lead, enduring multiple schedule changes & driving cross-functional meetings with senior stakeholders

FORMLABSManufacturing Engineering Intern

Somerville, MA

Jun – Aug 2023

- Designed & prototyped production-level fixture for Form 4 NPI; saved \$100K+ by decreasing test time & improving yield
- Started Manufacturing & Mechanical Engineering effort that reduced printer validation by 3hrs using a new test print
- Led agile product lifecycle management on fixture with Jira/Propel; spoke & presented work directly with CEO & COO
- Executed GR&R tests (Python/SQL) & CMM tolerancing (GD&T); manufactured/assembled electromechanical devices

LEADERSHIP EXPERIENCE

ENGINEERS WITHOUT BORDERS (HARVARD CHAPTER)

Cambridge, MA

Design Engineer

Jan - Dec 2024

- Served as lead designer for 100K liter water retrieval kiosks in Kenya, helping reduce water procurement time by 30%
- Engineered kiosk as per user needs, running finite element analyses & mechanical simulations for structural integrity
- Published technical documentation/engineering drawings & illustrated professional architectural sheets for contractors

HARVARD CONSULTING ON BUSINESS AND THE ENVIRONMENT

Cambridge, MA

Consultant

Aug – Dec 2024

- Advised top energy company with \$40B+ revenue for a new climate technology's commercial feasibility & GTM strategy
- Leading analyst in team of 7, curating physics/engineering recommendations, data analysis, & business case modeling

HARVARD SCHOOL OF ENGINEERING AND APPLIED SCIENCES (CS50)

Cambridge, MA

Teaching Fellow

Aug - Dec 2023

- Facilitated and evaluated a ~20 person class on C, Python, SQL, JS, & object-oriented thinking for Harvard's largest course
- Achieved perfect rating overall for unique teaching style; personally advised students on internships, helping secure 4 offers

HARVARD UNDERGRADUATE MAKERS COLLECTIVE

Cambridge, MA

President

Aug 2022 – May 2023

- Negotiated and directed \$10K+ budget, innovated digital marketing strategy, & increased club participation by 200%+
- Spearheaded multiple new product roadmaps, fabrication techniques, & designs; launched electric split-flap display project

PROJECTS

ENGINEERING YOUTUBE CHANNEL

Jan 2025 - Present

- Shot & edited multiple videos garnering ~200K views documenting different products from ideation to design to fabrication
- Engineered complex assemblies that rival existing products at reduced cost; received multiple sponsorship opportunities

SAN ANTONIO MUSEUM OF SCIENCE & TECHNOLOGY

June – Aug 2022

• Built machine learning exhibit scanner app with educational 3D models for 100K+ visitors alongside UI/UX design intern

SKILLS

Software: Python, Front-End (HTML/CSS/JS), SQL, C/C++, MATLAB, LTSpice, PCB Design, FEA, COMSOL, Cadence **Shop:** CNC, Manual Mill, Metrology (CMM), Lathe, Waterjet, Welding, 3D Printing (SLA/SLS/FDM), General Machining **CAD**: SolidWorks, OnShape, Creo, Fusion 360, AutoCAD, Siemens NX, Revit