David Landerman

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Journalism Masters Student

Multi-faceted Masters in Journalism student and Howard Center Fellow with professional experience in mechanical engineering. A second career professional with the perspective to chase a dream with true humility and passion. Numerous on and off the job examples of critical thinking as well as real world applications of professional ethics and people skills. Eager to learn.

EDUCATION

University of Maryland, College Park, MD (Present-2027) | Pursuing Masters in Multi-Platform Journalism

Howard Center for Investigative Journalism, College Park, MD (Present-2027) | Graduate Fellow

Northeastern University, Boston, MA (2018) | Bachelor of Science, Mechanical Engineering | GPA 3.52, Cum Laude

***Major Coursework**: Advanced Calculus, Thermodynamics, Finite Element Analysis, Fluid Mechanics, Control Systems, Measurement Science, Physics, Technical Writing*

***Minor/Elective Coursework:** Business Administration, Accounting, Marketing, Astronomy, Portuguese*

School Without Walls Senior High School, Washington, DC (2013) | GPA 3.54

Principled Hiatus

The three years between graduating from Northeastern and landing my first full-time engineering job I deliberately refused to apply to industries which employ large numbers of entry level mechanical engineers that conflict with my personal and professional ethics. While consistently applying for more competitive engineering jobs I supported myself in the following roles:

The Diner – *Server*, Washington, DC (2019): Worked full-time to save for relocation and aid job search.

Zinque / Breakfast Republic – *Busser/Food Runner*, San Diego, CA (2019–2020): Funded living expenses while settling in a new city.

Engineers Without Borders – *Volunteer*, San Diego, CA (2020): Contributed to a rainwater collection project for a village in Peru.

High Tech High International – *Academic Coach/Math Tutor*, San Diego, CA (2020–2021): Provided academic support and tutoring to high school students.

Multifaceted Jobs

The broad range of my experiences below speaks to my ability to adapt to different surroundings and form/maintain relationships: Pedicab Driver and Tour Guide | Math Tutor | Bike Mechanic | Construction Laborer | Server | Food Runner | Busser | Host

Professional Engineering Experience

ASML – San Diego, CA 2021 – 2025

TMF MECHANICAL TEST ENGINEER, QUALITY AND CONTINUOUS IMPROVEMENT TEAM

- Unsuccessfully advocated for fiscally pragmatic and sustainable 401(k) fund options by drafting petition letters and slide decks for tailored pitches to management. These pitch decks were vigorously researched from shareholder materials and other approved statements from management to synthesize cohesive arguments for concrete action to lobby in support of the SEC's campaign to end subjective climate disclosures and the false-advertising of sustainable investment funds, a practice known as "greenwashing."
- Investment Transparency-Unsuccessfully advocated for our fiduciary to swap out Target Date Trusts with corresponding Target Date Funds so employees could see the companies their retirements invest in
- Constructed/deconstructed various vacuum tests, tensile tests, seal tests, sample prep, optical microscopy
- Facilitated lab operations including coordinating maintenance and repair, ensuring lab safety, enabling cross team assistance

Smith and Nephew – Mansfield, MA 2018

R&D CO-OP, KNEE REPAIR DIVISION

- Delivered CAD designs in SolidWorks; created prototypes and tested new parts/assemblies for recalled products.

Watts Water Technologies – North Andover, MA 2016

ENGINEERING DEPARTMENT CO-OP

- Supported flow testing and valve redesign in coordination with machinist to gain experience in designing metal casting/machining.

Massachusetts Clean Energy Center – Charlestown, MA 2015

WIND TECHNOLOGY TESTING CENTER FELLOW

- Utilized SolidWorks to design new lab equipment and aided in execution of lab operations, blade tests, lab maintenance, organization, hardpoint installs, blade mounting, strain gauge wiring, and instrumentation.