

**Joshua Eastman** ~ Curriculum Vitae  
Phonetically: [JAH-shuh-wuh]  
*Updated April 2025*

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## **Mission**

To improve the health and well-being of vulnerable communities around the world through excellent medical practice, the development of free, universal, and dependable healthcare systems, and meaningful, interdisciplinary research.

## **Education**

Bachelor of Science and Engineering *with Honors*  
Civil and Environmental Engineering

Class of 2022  
*Princeton University*

Doctor of Medicine, *in progress*

Class of 2026  
*Marshall University*  
*Joan C. Edwards School of Medicine*

## **Work Experience**

Heritage Farm Museum and Village  
*Tours, research, and construction*

Summers 2017, 2018, 2020  
*Huntington, WV*

Guria India NGO  
*Office assistant*

2017-2018  
*Varanai, Uttar Pradesh, India*

Rubenstein Lab  
*Research assistant*

Summer 2019  
*Princeton University*

Forbes Residential College  
*Residential College Advisor (RCA)*

2020-2022  
*Princeton University*

Urban Nexus Lab  
*Researcher, focusing on urban tree carbon in India*

2021-Present  
*Princeton University*

JCESOM Office of Student Affairs  
*Medical school tutor*

2023-Present  
*Marshall University*  
*Joan C. Edwards School of Medicine*

## Awards and Achievements

### 2022

M.S. Chadha Center for Global India award for Engineering and Natural Sciences (awarded by the Secretary of Science and Technology, government of India, Dr. Srivari Chandrasekhar), *Princeton University*

Civil and Environmental Engineering Christine Trmal Prize for excellence in academic studies and outstanding thesis in Environmental Engineering, *Princeton University*

School of Engineering and Applied Science Calvin Dodd MacCracken Senior Thesis Award for inventiveness and technical accomplishment, *Princeton University*

### 2023

Marshall Marathon Finisher

### 2024

Kanawha Trace 50k Finisher

Marshall Marathon Finisher

Planned and Held Pacemakers 5k Fundraiser for Student Wellbeing

Institute of Physics Journals Trusted Reviewer Status

## Volunteering

### Youth Group Helper and Sunday School Teacher

Mentoring on Wednesdays, teaching on Sundays, and chaperoning occasional trips

*3 hours per week + occasional trips = ~350 hours by start of M3*

June 2022-Present  
*New Baptist Church  
Huntington, WV*

### Missions Board Member

Monthly meeting to address funding requests  
Led annual fall festival community outreach in 2023  
*2hr / month + outreach event = ~75 hours total*

June 2022-Present  
*New Baptist Church  
Huntington, WV*

### Prison Softball Ministry

Traveling to local prisons, playing softball with inmates to build relationships and share the Gospel  
*~14hr/day x 9 days = ~125 hours total*

March 2023 – August 2023  
*Saints Prison Ministry  
WV, KY, OH*

### Marshal Medical Outreach

Participant as runner, student doctor, vitals, optho  
*~35 hours total*

August 2022 – Present  
*JCESOM*

Total volunteering during medical school ~ 585 hours by M3

## Leadership

### **Learning Community Leader**

Developed LCL website [[link](#)], now a key tool for student advising, helped redevelop mentorship program in 2023

June 2023 – Present  
*JCESOM*

### **Research Interest Group**

*Co-Founder and Vice President*

Organized >40 student leaders with departmental research matching, MD/PhD mentorship, development of a resources website [[link](#)], research curriculum with expert speakers x3, and overall, significantly increased student research engagement and output, also advocating successfully for appointment of dean of student research

August 2023 – Present  
*JCESOM*

### **Internal Medicine Research Committee**

*Member*

Developed and deployed comprehensive research curriculum for IM residents, teaching some sessions; invited and hosted expert speakers for IM research conferences during grand rounds x2; increased student involvement in IM research and ACP local and national conference with many student awards resulting; developed website [[link](#)] to host research resources for residents and faculty

June 2024 – Present  
*JCESOM Internal  
Medicine Dept.*

### **Pacemakers Endurance Running Interest Group**

*Founder and President*

Held Spring 2024 activity competition to improve student physical wellbeing; encouraged student participation in Marshall Marathon with students, resulting in >21 student runners participating running a total of 383 miles; held community 5k in fall to fundraise for student race participation with >90 participants

January 2024 – Present  
*JCESOM*

### **LCME Independent Student Assessment (ISA)**

*Co-Chair*

Developed and distributed LCME ISA survey to all students with >80% participation; led committee in development of comprehensive report and analysis

January 2025 – Present  
*JCESOM*

### **Global Medical Education Foundation 501c3**

*Co-Founder and President*

Helped develop vision, structure, and operations of GMEF, launched in 2023, currently fundraising and developing in-country relationship with medical school in Malawi; [[link](#)]

October 2023 – Present

## Ongoing Research Projects

Estimating urban India tree carbon stock and sequestration to offset scope 1 + 2 carbon emissions using LiDAR scanning, remote sensing, computational modeling, and field work

**Role:** *Research lead*

Developed methods, organized multi-year field work teams in India, led and conducted all data processing, analysis, and drafting, mentored multiple interns

**Outputs:** *Multiple awards, undergraduate thesis, oral presentation at AGU in 2021, multiple manuscripts in progress, one accepted with major revisions*

January 2021 – Present  
*Urban Nexus Lab*  
*Princeton University*  
PI: Anu Ramaswami

Investigating WV Pediatric Cancer Clustering and the Correlation to Extractive Industry using Hydrologic Modeling

**Role:** *Research lead*

Conceived idea, developed methods, wrote IRB, collected and processed all data, prepared all analysis and figures

**Outputs:** *Poster presentation in 2023, manuscript in progress*

April 2023 – Present  
*JCESOM*  
*Peds Heme-Onc*  
PI: Joshua Hess  
IRB#: 2136738-2

A New Approach to Environmental Exposure: How Water Pathways in Identified Industrial Sites Contribute to Breast Cancer Incidence using Hydrologic Modeling

**Role:** *Research lead*

Conceived idea, developed methods, wrote key elements of IRB, will process all data, will prepare analysis, figures, and drafts

January 2025 – Present  
*JCESOM*  
*Surgery*  
IRB#: 2287729-1

Understanding and Supporting Food Box Utilization and Nutrition of Huntington Residents Experiencing Housing Insecurity

**Role:** *Student research lead*

Developed methods, wrote IRB, assisting in data processing and writing

October 2024 – Present  
*JCESOM*  
*Family Medicine*  
PI: Katherine Steele  
IRB#: 2260029-1

3rd Party Resource Use in the MS2 Pre-Clerkship Curriculum

**Role:** *Research lead*

Led peers and organized work sessions, developed methods, wrote IRB, conducted survey, analyzed data, developed figures, edited manuscript

**Outputs:** *Multiple abstracts accepted, poster presentation, manuscript in review*

October 2023 – Present  
*JCESOM*  
*Office of Medical Education*  
PI: Nitin Puri  
IRB#: 2136258-1

Infectious Innovations: A New Approach to Infectious Disease Data Management and Antimicrobial Stewardship in Rural Healthcare

**Role:** *Research lead*

Conceived idea, developed methods, developed abstracts and presentation, leading product development

**Outputs:** *abstract, oral presentations x2*

July 2024 – Present  
*JCESOM*  
*Infectious Disease*  
PI: Leeja Joseph  
IRB#: *In progress*

Addressing Health Literacy Challenges in West Virginia:  
Evaluating Online Patient Education Materials for Chronic Diseases

**Role:** Co-researcher/author

Conceived of idea, developed methods, performed data collection, performed data analysis, produced graphs and figures, edited abstracts and presentations, co-authored manuscript

**Outputs:** abstract accepted local and national ACP, oral presentation award local ACP, manuscript in progress

July 2024 – Present

JCESOM

Office of Medical  
Education

PI: Nitin Puri

IRB#: N/A

## Research Output

### Manuscripts in Review

Eastman, Joshua, Stephen Pribanich, Garrett Douglas, Thomas Mosman, Anna Hughes, and Nitin Puri. “Self-Curated Personalization of Medical Education in an Appalachian Medical School: Insights for Development of Artificial Intelligence Tools.” *Marshall Journal of Medicine* In Review (2025).

Eastman, Joshua, and Anu Ramaswami. “Urban Trees Are Bigger and Grow Faster than Natural Forest Trees in India: Implications for Nature-Based Solutions.” *Environmental Research Letters* Accepted with Major Revisions (2023).

### Manuscripts in Progress

Eastman, Joshua, Paul Finch, Deborah Preston, and Joshua Hess “Investigating WV Pediatric Cancer Clustering and Correlation to Extraction Industry”

Adeshina, Bukola, Joshua Eastman, and Raza Ahmed. “Addressing Health Literacy Challenges in West Virginia: Evaluating Online Patient Education Materials for Chronic Diseases.”

### Oral Presentations

Adeshina, Bukola, Joshua Eastman, and Raza Ahmed. “Addressing Health Literacy Challenges in West Virginia: Evaluating Online Patient Education Materials for Chronic Diseases.” Oral presented at the ACP WV Chapter, ACP WV Chapter, Charleston, WV, 2024.

Eastman, Joshua, Michael Milnar, Ashish Rao-Ghorpade, and Anu Ramaswami. “Quantifying Tree Canopy and Carbon Sequestration Potential Across 5 Indian Cities Through Remote Sensing, in-Situ Testing, and Machine Learning.” Oral presented at the AGU Fall Meeting 2021, National AGU Fall Meeting 2021, December 1, 2021.  
<https://ui.adsabs.harvard.edu/abs/2021AGUFMGC32D..05E>.

Eastman, Joshua, Kara Piechowski, Derek Evans, Leeja Joesph, and Jacob Kilgore.

“Infectious Innovation: A New Approach to Infectious Disease Data Management and Antimicrobial Stewardship in Rural Healthcare.” Oral presented at the ACP WV Chapter, ACP WV Chapter, Charleston, WV, 2024.

———. “Infectious Innovation: A New Approach to Infectious Disease Data Management and Antimicrobial Stewardship in Rural Healthcare.” Oral presented at the Internal Medicine Grand Rounds, Internal Medicine Grand Rounds JCESOM, Huntington, WV, 2024.

### **Poster Presentations/Abstracts**

Adeshina, Bukola, Joshua Eastman, and Raza Ahmed. “Addressing Health Literacy Challenges in West Virginia: Evaluating Online Patient Education Materials for Chronic Diseases.” Poster presented at the National American College of Physicians, National ACP, New Orleans, LA, 2025.

Ahmed, Raza, Joshua Eastman, and M Morris. “Empathy Evaluation in AI Language Models: A Comparative Analysis Using EQ and TEQ Scales.” Poster presented at the JCESOM 36th Annual Health Sciences Research Day, JCESOM 36th Annual Health Sciences Research Day, Huntington, WV, November 1, 2024.

Eastman, Joshua, Paul Finch, Deborah Koester, and Joshua Hess. “Investigating WV Pediatric Cancer Clustering and Correlation to Extraction Industry.” Poster presented at the JCESOM 35th Annual Health Sciences Research Day, JCESOM 35th Annual Health Sciences Research Day, Huntington, WV, 2023.

<https://acrobat.adobe.com/link/track?uri=urn%3Aaaid%3Ausc%3AUS%3A209c6a18-8a3d-3984-91a9-c0ce32ae3013&viewer%21megaVerb=group-discover>.

Eastman, Joshua, Stephen Pribanich, Garrett Douglas, Thomas Mosman, Anna Hughes, and Nitin Puri. “Self-Curated Personalization of Medical Education in an Appalachian Medical School: Insights for Development of Artificial Intelligence Tools.” Poster presented at the JCESOM 36th Annual Health Sciences Research Day, JCESOM 36th Annual Health Sciences Research Day, Huntington, WV, November 1, 2024.

Eastman, Joshua, Gina Talt, Abigail Baskind, Katie Barnett, Ten Cate Willemijn, and Daniel Rubenstein. “A Comparative Analysis of Farming Tactics on Corn Production Using Novel Longitudinal Remote Sensing Techniques.” Poster presented at the Princeton University Summer Undergraduate Research Program, Princeton University Summer Undergraduate Research Program, Princeton, NJ, 2019.

[https://molbio.princeton.edu/sites/g/files/toruqf5546/files/documents/abstract-book\\_surp-2019.pdf](https://molbio.princeton.edu/sites/g/files/toruqf5546/files/documents/abstract-book_surp-2019.pdf).

Hughes, Anna, Joshua Eastman, Alex Pribanich, Garrett Douglas, Thomas Mosman, and Nitin Puri. “Self-Curated Personalization of Medical Education in an Appalachian

Medical School: Insights of Artificial Intelligence Tools and Medical Libraries.” Poster presented at the Medical Library Association Annual Conference, Pittsburgh, PA, 2025.

## Teaching Opportunities

### Tutoring

*Total one-on-one sessions logged: 43*

Prepared >100 questions for various exam prep

*Total time logged: ~80 hours*

### Through Research Interest Group

Panel: Navigating Summer Research

Feb. 13, 2024

BCC, Class of 2027

“Introduction to Research, at Marshall: With Workshop for IRB, Citi Training, and Research Question”

Oct. 7, 2024

BCC, Open to all

[\[link to presentation\]](#)

“Using Artificial Intelligence at Every Stage of Research”

Nov. 11, 2025

BCC, Open to all

[\[link to presentation\]](#)

### Through Internal Medicine Research Committee

“Using Artificial Intelligence at Every Stage of Research”

Oct. 22, 2024

VAMC, Open to Internal Medicine residents

[\[link to presentation\]](#)

### NBC Youth Group

Teach middle school Bible Study

~20min every Wed evening

Teach middle + high school Sunday School

~45min every Sun morning  
(every other month)