

Table of Contents

I.	Earned Degrees	2
II.	Employment History	2
III.	Honors and Awards.....	2
IV.	Research, Scholarship, and Creative Activities	3
A.	Published Books, Book Chapters, and Edited Volumes	3
B.	Refereed Publications and Submitted Articles	3
C.	Other Publications and Creative Products	6
D.	Presentations	6
E.	Grants and Contracts	6
F.	Other Scholarly and Creative Accomplishments.....	9
G.	Societal and Policy Impacts.....	9
H.	Other Professional Activities <i>no data</i>	9
V.	Education	9
A.	Courses Taught.....	9
B.	Individual Student Guidance	9
C.	Educational Innovations and Other Contributions	10
VI.	Service	10
A.	Professional Contributions.....	10
B.	Public and Community Service.....	10
C.	Institute Contributions.....	10

Jovan Julien

Assistant Professor

H. Milton Stewart School of Industrial and Systems Engineering &

School of Public Policy

Georgia Institute of Technology

I. Earned Degrees

Georgia Institute of Technology, Atlanta, GA

Ph.D. Operations Research, 2022
Concentration in Stochastics, Minor in Public Policy

M.Sc. Health Systems Engineering 2015
Predictive Health Analytics Track

Brown University, Providence, RI

B.S. Biomedical Engineering 2010

II. Employment History

Georgia Institute of Technology, Atlanta, Ga

H. Milton Stewart School of Industrial and Systems Engineering & School of Public Policy

Assistant Professor & Georgia Power Fellow January 2024 - current

Harvard Medical School, Boston, MA

Massachusetts General Hospital Institute for Technology Assessment

Post-Doctoral Fellow August 2022 – December 2023

Advisor: Jagpreet Chhatwal, Ph.D.

Project South Institute for the Elimination of Poverty and Genocide, Atlanta, GA

Regional Organizing Coordinator June 2013 -2017

Teach for America, Atlanta, GA

Ivy Preparatory Academy Charter School

6th Grade Math/Science Teacher June 2010 – May 2012

III. Honors and Awards

A. International or National Awards

1. First Prize, SMDM Lee B. Lusted Prize in *Health Services, Outcomes, and Policy Research* 2018
2. Robert Wood Johnson Foundation Health Policy Research Scholars Fellowship 2017

B. Institute or School Awards

Georgia Institute of Technology

William Randolph Hearst Fellowship

George Family Foundation Fellowship

Health Policy Research Scholars

First Prize, Summer 2019 Research Competition, *Authentic
Community Engagement*

2019

Other

GOALS Haiti, Jovan Julien Honorary Scholarship

IV. Research, Scholarship, and Creative Activities

* Indicates projects that resulted from work done at Georgia Tech with the names of student co-authors in boldface.

A. Published Books, Book Chapters, and Edited Volumes

A1. Books

Book Chapter in “Data Equity, Collection, and Disaggregation for Advancing Health Equity” titled “Intersection of Health Decision Science and Data Equity” - Submitted November 2025 - *Wiley* , Publication Date Fall 2026

A2. Refereed Book Chapters *no data**

A3. Edited Volumes *no data*

B. Refereed Publications and Submitted Articles

B1. Published and Accepted Journal Articles

J Julien, T Ayer, EB Tapper and J Chhatwal, (2022), “The Rising Costs of Alcohol-associated Liver Disease in the United States.”, Official journal of the American College of Gastroenterology| ACG 2022 Pages 10-14309

J Julien, T Ayer, EB Tapper, C Barbosa, W Dowd, J Chhatwal, (2021), “Effect of Increased Alcohol Consumption During COVID-19 Pandemic on Alcohol-related Liver Disease: A Modeling Study.”, Hepatology. 2021 Dec 8.

J Julien, T Ayer, ED Bethea (M.D.), EB Tapper (M.D.), J Chhatwal (2020), “Projected prevalence and mortality associated with alcohol-related liver disease in the USA, 2019–40: a modelling study”, The Lancet Public Health [Impact Factor (IF): 16.292], 5 (6), e316-e323

B2. Conference Presentation with Proceedings (Refereed)

R Saha*, J Julien, (2026), “Optimizing Youth Alcohol Policy through Simulation: An OCBA and Hidden Markov Model.”, *IISE 2026*

P Basu, J Julien, S Goswami, A Avanceña, (2026), "Effectiveness of public health interventions to prevent alcohol-associated cancers: a systematic scoping review" *Global Alcohol Policy Conference 2026, Rio de Janeiro, Brazil*

P Basu, J Julien, S Goswami, A Avanceña, (2025), "Population-level interventions to prevent alcohol-related cancers: A scoping review.", *American Association of Cancer Meeting Annual Meeting 2025 Chicago, IL*

M Brendle, A Avanceña, J Julien, (2025), "Costs and Healthcare Utilization Associated with Alcohol Use Disorder: A Cohort Study.", *2025 IHEA Congress, Bali, Indonesia, Substance Use and Mental Health*

E Kocher, A Abdeen, Y Long, A Baker; A Sharma, T Ayer, J Julien, M Ali, N Tandon, J Sam Varghese, G Garcia, (2025), "Cost-Effectiveness of the WHO Diabetes Compact Targets for Diabetes Control in India—A Microsimulation Modelling Study.", *American Diabetes Association Annual Meeting 2025, Chicago IL*

J Julien, (2025), "A Radical Queer Black Feminist Approach to Improved Quantification of Lost Opportunity Cost of Haitian Indemnity Payments.", *Haitian Studies Association Annual Meeting 2025, Pittsburgh, PA*

N Kulkarni, M Şahinkoç, J Julien, M Kataoka, D Ghahremani, R Fleurence, M Sacchet, J Chhatwal, "The Health Benefits of Controlled Breathing Meditation: A Scoping Review.", *SMDM Annual Meeting 2025, Ann Arbor, MI*

J Julien, M Sacchet, N Kulkarni, M Sahinkoc, C Cunningham, T Ayer, EB Tapper, J Chhatwal, (2023), "Modeling Clinical Effectiveness of Mindfulness-based Interventions for Alcohol-Use Disorder." *SMDM Annual Meeting 2023, Philadelphia, PA*

J. Julien, T Ayer, EB Tapper, C Barbosa, W Dowd, J Chhatwal, (2021), "Effect of Increased Alcohol Consumption During COVID-19 Pandemic On Alcohol-related Liver Disease And Liver Cancer In The United States: A Modelling Study.", *INFORMS 2021, Applications of OR in Cancer*

J. Julien, T Ayer, C Barbosa, W Dowd, EB Tapper, J Chhatwal, (2021), "Increased alcohol consumption during COVID-19 pandemic is projected to increase alcohol-related liver disease: A modelling study.", *Hepatology*, 532, 326A. *AASLD Presidential Poster of Distinction*

J. Julien, T. Ayer, E. Bethea, J. Chhatwal (2018), "Projection of Prevalence and Mortality Trends in Alcohol-Related Liver Disease in the United States", *Hepatology*, 68, 81A.

B3. Other Refereed Material *no data*

B4. Submitted Journal Articles (with Date of Submission)

M Brendle, J Julien, A Avanceña, "Costs and healthcare utilization associated with alcohol use disorder: a cohort study.", *Addiction*, September 2025

P Basu, J Julien, M Pignone, A Avanceña, "Effectiveness of public health interventions to prevent alcohol-associated cancers: a systematic scoping review.", *Epidemiologic Reviews*, August 2025, Minor Revisions received

B6. Work in Progress (with Expected Date of Submission & Target Journal)

MV Plaisime, Jovan Julien, R Saha*, J Cerdeña, "Evidence for Patient Provider Concordance Across Race and Impact on Outcomes: a Scoping Review" - *Lancet Public Health*

Eswar Gopalakrishnan BSA¹, Jenny Spencer PhD^{2,3,4}, Jessica Calderon-Mora DrPH^{3,4}, Jovan Julien PhD^{5,6}, Anton L.V. Avanceña PhD^{2,4,7,*} **Full title:** The association between alcohol consumption and alcohol use disorder and adverse childhood experiences in sexual and gender minority populations

N Kulkarni, M Şahinkoç, J Julien, M Kataoka, D Ghahremani, R Fleurence, M Sacchet, J Chhatwal, "The Health Benefits of Controlled Breathing Meditation: A Scoping Review" – January 2026 – (*Lancet Public Health*)

A Hajjar, J Julien, G Nemutlu, M Sahinkoc, M Peters, F Kanwal, J Chhatwal, "Saving Lives: Unveiling the Cost-Effectiveness of Hepatocellular Carcinoma Surveillance in Alcoholic Cirrhosis Patients" - March 2026 – (*Hepatology*)

J Julien, Y Zeng*, M Sacchet, N Kulkarni, M Sahinkoc, C Cunningham, E Tapper, J Chhatwal, Modeling Clinical Effectiveness of Mindfulness-based Interventions for Alcohol-Use Disorder – February 2026 – (*Addiction*)

A McNealey*, Y Xie, N Serban, D Goldsman, M Plaisime, J Julien, " A Simulation Study of Patient–Provider Racial Concordance in an Evolving and Diverse Workforce" – April 2026, (*Medical Decision Making*)

R Bagade*, T Johnson*, R Santa Gonzalez, J Julien, " Fresh Tracks: Leveraging MARTA to Promote Food Equity in Atlanta, GA" – April 2026 (*Winter Simulation Conference*); September 2026 (*Odysseus*)

P Sawetpiyakul, Y Long, SJ Lee, J Julien, J Ziani, GG Garcia, " A Pipeline Intervention Framework for Equitable Investments into Diabetes Screening and Treatment Resources", June 2026

Y Zeng*, J Julien, "Digital Twin Simulation Studies of Long COVID and Individual Mitigation Strategies", August 2026, Lancet Public Health

J Julien, "A Feminist Approach to Quantifiable Reparations Claims and Lost Opportunity Cost of Haitian Indemnity Payments.", *Journal of Haitian Studies* - October 2026,

R Saha*, A Avancena, J Julien, (2026), "Trajectories of Alcohol and Drug Use in the American Adolescent.", *JAMA Network Open* – October 2026

B Branch*, R Bagade, M Macias, J Julien, "Bail, Jail and Diversion: A comprehensive model of the Atlanta Justice Ecosystem and the impact of a jail diversion program.", *Criminology and Criminal Justice* - December 2026

C. Other Publications and Creative Products

WRFG 89.3 FM Beyond Borders Radio Show Member – (July 2015 – Fall 2019)

D. Presentations

A Conversation on Health Equity Research in 2025, INFORMS 2025, Atlanta, GA, October 2025

J Julien, (2025), "Using Simple Math to Quantify the Impact of the Triangle Trade and Enslavement Practices on Familial Lines: A case study of colonial Ayiti.", *INFORMS 2025, Atlanta, Georgia*

A Pipeline Intervention Framework for Equitable Investments into Diabetes Screening and Treatment Resources., 9th Annual GCDTR Scientific Symposium 2025

To Future Medical Failures: Racial and Gender Bias in Research, INFORMS Healthcare, Toronto, ON, July 2023

Co-Chair and Co-Organizer: Can CEA and simulation models advance equity and justice in health? Symposia, SMDM Annual Meeting, October 2021

E. Grants and Contracts

E1. As Principal Investigator

E2. As Co-Principal Investigator

Explicit Modelling of the Risks Facing Haitian Communities During the COVID-19 Pandemic

Sponsor: Robert Wood Johnson Foundation, Health Policy Research Program

Total Dollar Amount: \$40,000

Role: co-Principal Investigator co-PI Collaborators: Marie Plaisime (co-PI, Howard University), Grace Ibitamuno, (co-PI, Rutgers University)

Period of Contract: January 2021 – December 2021

E3. As Senior Personnel or Contributor

Toward Fairer Diagnosis and Care of Type 2 Diabetes: A Long-Term and Pipeline Level View

Sponsor: Georgia Tech IPaT Research and Engagement Grant

Total Dollar Amount: \$16,034

Role: Co-Investigator with co-PI Collaborators: Juba Ziani (PI, Georgia Tech), Gian Gabriel Garcia (PI, Georgia Tech)

Period of Contract: September 2023-April 2024

Health Policy Research Scholars Program

Sponsor: Robert Wood Johnson Foundation (Award No. RJ259)

Total Dollar Amount: \$120,000

Role: Investigator and Supported Personnel

Period of Contract: 2019-2022

E4. Pending Proposals*

Identifying cost-effective and equitable public health interventions to prevent alcohol-associated liver and esophageal cancers

Sponsor: American Cancer Institute

Total Dollar Amount: \$250,908

Role: Co-Investigator

Collaborators: expertise: Anton Avancena (PI, University of Texas); Dr Mike Pignone, M.D. (Co-I, Duke University)

COMPAS: Computational Profiling for Alcohol-related Liver Disease and Asses

Sponsor: National Institutes of Health

Total Dollar Amount: \$303,610 subaward of \$2,500,000 total grant

Role: Co-Investigator

Collaborators: expertise: Elliot Tapper(MPI, University of Michigan); Jiang Bian (MPI, Indiana University and Regenstrief Institute); and Lili Zhao (MPI, Northwestern University), Vinod Vydiswaran (co-I, University of Michigan); Eric Orman (co-I, Indiana University)

A Market Based Health Model and Cooperative

Sponsor: Robert Wood Johnson Foundation

Total Dollar Amount: \$3,534,372

Role: Principal Investigator

Collaborators: Anton Avancena (Co-I, University of Texas); Bridgette Simpson (Co-I, Barred Business); Angel Torres (Co-I, Organization for Human Rights and Democracy); Yolande Tomlinson (Co-I, Lakou Learning Collaborative); Izraelle McKinnon (Co-I, Center for Disease Control and Prevention); Marie Plaisime (Co-I, Harvard T.H. Chan School of Public Health); Mamyrh Prosper (Co-I, University of California, Irvine)

DOSE-CGM (Duration Of Sensor Effectiveness with CGM in Diabetes Self-Manage

Sponsor: National Institutes of Health

Total Dollar Amount: \$279,913 subaward of \$2,500,000 total grant

Role: Co-Investigator

Collaborators: expertise: Joyce Ho, (MPI, Emory University); Shivani Patel, (MPI, Emory University), Megha Shah, (co-I, Emory University), Marvin Lim, (co-I, Lucky Shoals Community Association), Neo Gebru (co-I, Emory University)

Simulation modeling of alcohol-associated liver and esophageal cancer to identify cost-effective interventions and valuable research priorities

Sponsor: National Institutes of Health

Total Dollar Amount: \$1,285,425

Role: Multiple Principal Investigator

Collaborators: Anton Avancena (MPI, University of Texas); Dr Mike Pignone, M.D. (Co-I, Duke University); Jagpreet Chhatwal, (Co-I, Mass General Hospital ITA, Harvard Medical School)

E5. Proposals Submitted but Not Funded (Last Two Years)

Georgia Tech based Proposal to Create Data Dashboard for Policing Alternatives

Sponsor: The Carter Center ; Police Alternatives and Diversion, Atlanta

Total Dollar Amount: \$59,277 total grant

Role: Principal Investigator

Collaborators: Akane Fujimoto; Dima Nazzal

CommUnity Connect: Tackling the Diabetes Care Cascade in High-Risk Communities

Sponsor: National Institutes of Health

Total Dollar Amount: \$269,550 subaward of \$2,000,000 total grant

Role: Co-Investigator

Collaborators: Joyce Ho, (MPI, Emory University); Shivani Patel, (MPI, Emory University), Megha Shah, (co-I, Emory University), Marvin Lim, (co-I, Lucky Shoals Community Association)

Towards Optimal Care: Leveraging All-Payer Claims Data and Behavioral Modification for Care Management Improvement in the Georgia

Sponsor: Georgia Clinical & Translational Science Institute

Total Dollar Amount: \$30,000

Role: Principal Investigator

Collaborators: Juba Ziani (co-I, Georgia Tech), Gian Gabriel Garcia (co-, Georgia Tech), Jithin Varghese (co-I, Emory University)

Towards Optimal Care: Leveraging All-Payer Claims Data and Behavioral Modification for Care Management Improvement in the Georgia

Sponsor: Georgia Clinical & Translational Science Alliance

Total Dollar Amount: \$20,000

Role: Principal Investigator Collaborators: Juba Ziani (co-PI, Georgia Tech), Gian Gabriel Garcia (co-PI, Georgia Tech), Jithin Varghese (co-PI, Emory University)

Period of Contract: 3-April 2024

Score: "Fund if possible"

F. Other Scholarly and Creative Accomplishments

Free Atlanta Abolition Movement (Launch 2021)
 Metro Atlanta Mutual Aid Fund (Launch 2020)
 Regenerate Atlanta Cooperative Loan Fund (Launch 2019)
 GOALS Haiti Dream Team Scholarships (Launch 2015)

G. Societal and Policy Impacts

2024 Good Trouble Honoree, Center for Civic Innovation, Metro Atlanta Mutual Aid

H. Other Professional Activities *no data*

V. Education

A. Courses Taught

Semester, Year	Course Number	Course Title	Number of Students
Fall 2025	HS 6000	Introduction to Health Systems	13
Fall 2025	ISyE 4106 (Advisor)	Senior Design	1 teams / 7 students*
Spring 2025	PUBP 4200	Social Policy Issues	10
Spring 2025	ISyE 6320 / HS 6400	Public Impacts of OR / Health Systems Practice	18
Spring 2025	ISyE 4106 (Advisor)	Senior Design	2 teams / 16 students*
Spring, 2024	ISyE 6320 / HS 6400	Public Impacts of OR / Health Systems Practice	18
Spring 2024	ISyE 4106 (Advisor)	Senior Design	2 teams / 16 students

B. Individual Student Guidance

B1. Ph.D. Students

A. In Process

- a. Amaya McNealey
 - i. Advisement began in Fall 2024
 - ii. Primary Funding Source: Faculty Startup
- b. Raina Saha
 - i. Advisement began in Fall 2024
 - ii. Primary Funding Source: Faculty Startup
- c. Yunpu Zeng
 - i. Advisement began in Spring 2025

ii. Primary Funding Source: Faculty Startup

B2. M.S. Students (Indicate Thesis Option for Each Student)

- A. Aditi Agarwal, Master's Student in Health Systems (Summer 2025- continuing)
- B. Rohan Bagade, Master's Student in Health Systems (Summer 2025- continuing)
- C. Nazanin Nejati, Master's Student in Health Systems (Summer 2024- Fall 2024)
- D. Yunpu Zeng, Master's Student in IE (Summer 2024 – Fall 2024)

B3. Undergraduate Students

- A. Taniyah Johnson, Public Policy
- B. Blaine Branch, Public Policy
- C. Aanya Singh, Industrial and Systems Engineering

B4. Service on Thesis or Dissertation Committees

- D. Ali Abdeen, Advisor: Turgay Ayer
- E. Jingyu Li, Advisor: Lauren Steimle

B5. Mentorship of Postdoctoral Fellows or Visiting Scholars

C. Educational Innovations and Other Contributions

VI. Service

A. Professional Contributions

Facilitator, Haitian Studies Association Mentorship Program, Start Spring 2024

B. Public and Community Service

The Future Perfect Project, Board Member

Youth for Environmental Sanity, LGBTQIA* Queer Jam Organizing Member

Organization for Human Rights and Democracy, volunteer

Free Atlanta Abolition Movement (Launch 2021)

Total Dollar Amount: \$734,000

Metro Atlanta Mutual Aid Fund (Launch 2020)

Total Dollar Amount: \$1,182,000

Regenerate Atlanta Cooperative Loan Fund (Launch 2019)

Total Dollar Amount: \$1,224,000

C. Institute Contributions

Member, Industrial Engineering Comprehensive Exam Committee start Fall 2024

Host for several faculty candidates, 2024

Evaluation Committee for Jarvis Paper Competition, ISyE 2025