

Elliot S. Lee

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EDUCATION

B.S.E., Operations Research and Financial Engineering, Princeton University	2022–2026
Graduated <i>summa cum laude</i> . Minors in Global Health and Health Policy, Applied and Computational Mathematics, Quantitative Economics, and Bioengineering. Completed the pre-medical sequence alongside the engineering degree.	
Senior thesis (A+): Robust Antimicrobial Supply Chain Design Under Epidemiological Demand Uncertainty in Botswana. Adviser: Prof. Bartolomeo Stellato.	
Thomas Jefferson High School for Science and Technology, Alexandria, Virginia	2018–2022

1. PROFESSIONAL, RESEARCH AND INTERNSHIP EXPERIENCE

Predoctoral Fellow, University of California, Berkeley	Aug 2026–present
<i>Haas School of Business and Department of Economics; Research Statistician, U.S. Department of Veterans Affairs. Supervisor: Prof. David Chan, MD, PhD.</i>	
One of two fellows selected from more than 200 applicants. Research on physician behaviour, Medicare policy and health outcomes using national VA administrative data.	
Technical Lead, National Antimicrobial Supply Chain Redesign	Jun 2025–present
<i>African Comprehensive HIV/AIDS Partnerships (ACHAP), in partnership with Botswana’s Ministry of Health and Central Medical Stores. Gaborone, Botswana. With Mr Lesego Busang and Dr Khumo Seipone (ACHAP), Mr Bene D. Anand Paramadhas (Chief, Central Medical Stores) and the Office of the Chief Pharmacist, Ministry of Health.</i>	
Developed a robust optimisation model for Botswana’s national antimicrobial supply chain alongside Ministry pharmacists and logisticians, following a national health emergency over medicine shortages. Travelled across the country to interview physicians and health workers, using their accounts to set model parameters; built OSRM-based distance matrices integrating economic and epidemiological data. Manuscript in preparation; deployment in progress.	
Researcher in Statistical Genomics	Oct 2024–present
<i>Lewis-Sigler Institute for Integrative Genomics, Princeton University. With Dr Olivia Harringmeyer and Prof. John Storey.</i>	
Modelling chromosomal inversions under a three-locus continent-island extension of Bürger and Akerman (2003), using SLiM forward simulation.	
Research Assistant, Department of Economics, Princeton University	2024–2025
Prof. Janet Currie (Jan–Aug 2024): cleaned and visualised adolescent social-programme data supporting NBER Working Paper 33632. Samya Aboutajdine (Jun–Aug 2025): analysed 10M+ building permits against FEMA risk data to assess how federal grant flows shape local disaster resilience investment. Prof. Sylvain Chassang (Oct–Dec 2024): developed survey weight adjustments to improve representativeness of French transportation data.	
Research Intern, One Health Trust	Jun–Aug 2023
<i>Bengaluru, India. Drs Giridara Gopal and Ramanan Laxminarayan.</i>	
Modelled vaccination programme cost-effectiveness using Markov chain simulation. Co-wrote policy briefs on vaccine distribution for Pakistan, South Africa, Nepal, Uganda and Nigeria, and prepared country presentations for the Global Antibiotic Resistance Partnership across nine additional countries.	
Clinical Quality Observer	2022–2023
<i>George Washington University Hospital (Dr K. Gage Parr) and Brigham and Women’s Hospital (Dr Edward Laws, Jr).</i>	
Monitored patient safety and care-quality compliance in support of a research study.	
Teaching Assistant, PHY103 General Physics I	Sep–Dec 2024
Princeton University. Hosted weekly study sessions.	

2. VOLUNTEERING, COMMUNITY INVOLVEMENT AND LEADERSHIP

Emergency Medical Technician, Hopewell Fire Department (Station 152)	2023–2026
Provided pre-hospital emergency care on 911 calls, approximately 11 hours weekly on night shift, while a full-time undergraduate. Served as the department’s primary point of contact at Princeton and led recruitment from the undergraduate community.	
Advocated for naloxone access on campus and designed a Wintersession Narcan training course, delivered with squad leaders from Princeton First Aid and Rescue, so that residential advisers and students living closest to their peers were equipped to respond to an overdose.	
Residential College Adviser and Community Living Adviser, Yeh College	2024–2026
Selected through a competitive application and interview process. Mentored a hall of first-year and sophomore students, mediated conflict, and represented the college on the Residential College Leadership Council. Member, Yeh College Council.	

Director of Program, American Whig-Cliosophic Society	2023–2024
Elected to the role by a membership of more than 100. Led programming for the oldest collegiate debating society in the United States, running 11 events and hosting 14 speakers. Founded the Society’s Health and Public Policy speaker series.	
Chief of Staff, Princeton Diplomatic Invitational	2024
Led staffing for the conference’s revival, its first in-person edition after a four-year hiatus: four days, nine crisis committees, and collegiate delegations from across the country.	
Volunteer, Jill’s House and Second Story	2024
Supported children with disabilities and youth in transitional housing.	
Disaster Response Volunteer, Team Rubicon	2024–2025
Deployed to rural Florida following flooding: muck-outs, debris clearance, public facility cleaning, scene assessment and relief logistics alongside residents whose emergency aid had fallen through.	
Matriculate Fellow	2023–2024
Advised low-income and first-generation students through the college application process.	

3. PUBLICATIONS AND PRESENTATIONS

Lee, E. S., et al. Robust Antimicrobial Supply Chain Design Under Epidemiological Demand Uncertainty in Botswana. Manuscript in preparation; planned submission to Manufacturing and Service Operations Management (MSOM).
Presentations to Botswana’s Ministry of Health and Central Medical Stores, Gaborone, 2025 and 2026, including a working session with Central Medical Stores in March 2026 and a briefing to senior officials on the proposed supply chain model.
Research assistance acknowledged in NBER Working Paper 33632 (J. Currie et al.).
Contributing author, One Health Trust policy briefs on vaccine distribution (Pakistan, South Africa, Nepal, Uganda, Nigeria), 2023.

4. AWARDS, PRIZES AND SCHOLARSHIPS

Joseph Clifton Elgin Prize, Princeton University	2026
School of Engineering and Applied Science. Awarded to the senior who has done most to advance the interests of the School in the community at large.	
Procter and Gamble Prize, Princeton University	2026
Department of Operations Research and Financial Engineering. Awarded for the best senior thesis in operations research.	
Beth N. Rom-Rymer ’73 Senior Thesis Prize in Global Health and Health Policy, Princeton University	2026
Global Health Program. Awarded for the best senior thesis by a student in the programme.	
Sigma Xi, The Scientific Research Honor Society	2026
Inducted.	
Health Scholar, Center for Health and Wellbeing, Princeton University	2025
One of six selected.	
National Champion, Federal Reserve Challenge	2024
Board of Governors of the Federal Reserve System. First place nationally, representing Princeton University; one of five team members, specialising in labour economics.	
National Merit Scholar	2022
National Merit Scholarship Corporation (Leidos).	

5. SKILLS, HOBBIES AND EXTRA-CURRICULAR ACTIVITIES

Languages: English and Mandarin Chinese, both fluent.
Programming and quantitative tools: Fluent in Python, R, Stata and LaTeX (six years); working knowledge of MATLAB, Java, HTML and CSS. Optimisation and stochastic modelling in professional research settings since 2023.
Cycling, hiking and photography: Cyclist and hiker across five continents; photographs at elliottle.info/photos.
Writing: Maintain a personal essay site at elliottle.info, publishing on global health, infectious disease and the limits of quantitative methods in medicine.
Academic quiz bowl: Competed nationally for six years. First place, PACE National Championship (2021); second place, National History Bowl (2021); Virginia History Bee champion (2021).

6. OTHER

Personal website and writing: elliottle.info
Institutional features on the Botswana supply chain work: Princeton Center for Health and Wellbeing feature; Global Health Program feature; Princeton University Senior Thesis Spotlight.