

Larissa Wenren

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EDUCATION

- 6/2019 – Present **Boston Combined Residency Program (BCRP), Pediatric Resident**
Urban Health and Advocacy Track (UHAT)
Boston Children's Hospital and Boston Medical Center
- 8/2015 – 5/2019 **Boston University School of Medicine (BUSM), Boston, MA**
Candidate for 2019 MD degree; Dean's Scholar; USPHS Excellence in Public Health Award (2019); New England Pediatric Society Award (2019); William F. McNary, Jr. Class of 1991 Award (2019); MMS Scholar Award Semi-Finalist (2019); Gold Humanism Honor Society (2018); Nominee for AMA Alliance Grassroots Physicians of Tomorrow Scholarship (2018); Child Health and Advocacy Project Internship (2016)
- 9/2012 – 12/2014 **Harvard Extension School, Cambridge, MA**
Enrolled in seven science and public health courses for undergraduate credit
- 9/2007 – 5/2011 **Harvard College, Cambridge, MA**
A.B. Cum Laude with Honors in Concentration (Molecular and Cellular Biology) and Citation in Chinese, May 2011
Harvard College Research Program Grant (2010); David Rockefeller International Experience Grant (2009)
- 6/2009 – 8/2009 **Harvard Summer School for Life Sciences, Shanghai, China**
Enrolled in summer study abroad program for lab research and life sciences coursework
- 8/2004 – 5/2007 **Tullahoma High School, Tullahoma, TN**
Salutatorian; Semifinalist of Intel Science Talent Search (2007); Walton Foundation Scholar (2007); AP Scholar Award (2007); Commended Student in National Merit Program (2007); Regional Finalist of Siemens Competition in Math, Science, and Technology (2006)

RESEARCH EXPERIENCE

- 1/2016 – 4/2018 **Research Coordinator, StreetCred at Department of Pediatrics, Boston Medical Center, Boston, MA**
- StreetCred (mystreetcred.org) is an innovative anti-poverty intervention that provides free tax preparation integrated into pediatrics clinics to increase access to the Earned Income Tax Credit (EITC), the largest US anti-poverty program that unfortunately 20% of eligible poor working families do not utilize
 - Coordinated study to evaluate program impact, feasibility, and acceptability during first two pilot years
 - Created evaluation tools, trained research personnel, recruited participants, administered surveys, collected and managed data, and analyzed results
 - Demonstrated StreetCred as a feasible and acceptable program that increases tax filing, eliminates filing fees, and increases knowledge and access to EITC
 - Presented results at local conferences, contributed to presentations at national conferences, and published manuscript in Pediatrics
 - Awarded Top Three Poster at Boston Children's Hospital 9th Annual Community Health Poster Day
 - Awarded BUSM Child Health and Advocacy Project (CHAP) grant during summer of 2016
 - Prepared taxes for clients after training as a VITA Volunteer
 - Work with Principal Investigator Dr. Lucy Marcil
- 7/2016 – 8/2016 **Medical Student Intern, Patient Safety and Quality, Boston Medical Center, Boston, MA**

- Chart review to aid in hospital-wide patient safety and quality project around risk factors for hospital deaths
- Worked with Principal Investigator Dr. James Moses

3/2016 – 3/2017 **Medical Student Researcher**, Department of Pediatrics, Boston Medical Center, Boston, MA

- Managed Pediatric Quality Improvement (QI) project aimed to increase in-person interpreter participation during morning inpatient family rounds
- Conducted PDSA cycles, redesigned forms, optimized data collection, regularly updated run charts, analyzed and disseminated results, and collaborated with the Interpreter Services Department
- Presented poster at local conferences, and contributed to poster awarded the Winner of the Quality Improvement Category for the Student Storyboard Walkaround Session for the 2018 Institute for Healthcare Improvement Conference
- Organized ongoing systematic review focusing on interpreter services in pediatric clinical care
- Worked with Principal Investigator Dr. Christine Cheston

6/2013 – 7/2015 **Research Study Assistant II**, Boston Children's Primary Care at Longwood, Boston Children's Hospital, Boston, MA

- Worked in a high volume primary care clinic with primarily underserved population
- Responsible for a variety of different clinical research studies and quality improvement projects
- Primary Research Assistant who designed, executed, and assessed quality improvement projects and measures for initiative to redesign the practice site toward a patient-centered medical home model as part of the Academic Innovations Collaborative initiative (headed by the Center for Primary Care at Harvard Medical School)
 - Aims included improving continuity of care, patient experience, patient wait times, and communication between primary providers and specialists
- Managed research studies, quality improvement projects, and various patient registries for the practice's teen-tot clinic (Young Parents Program), which cares for adolescent parents and their children
- Investigated aluminum levels in young healthy children and its relationship to developmental growth and environmental factors; responsibilities included screening and recruiting participants, conducting portions of study visit, managing data, and performing quality assurance
- Contributed to 5 publications, ~14 posters presentations (3 first author), and 5 platform presentations at Pediatric Academic Societies (PAS) Meetings
- Presented posters at multiple regional and national conferences; poster won first prize at the 2014 Harvard Medical School Center for Primary Care Innovations Conference
- Worked with Principal Investigators Drs. Joanne Cox, Ronald Samuels, Kathleen Conroy, Corinna Rea, Sara Toomey, and Alan Woolf

11/2011 – 7/2012 **Clinical Research Assistant** (volunteer), Boston Children's Primary Care at Longwood, Boston Children's Hospital, Boston, MA

- Conducted clinical research study under Principal Investigator Dr. Clement Bottino investigating the association between the cumulative burden of family health-related social needs and children's diet and nutrition
- Determined eligibility of patients, recruited participants for the study, and individually guided participants through study questionnaire on-site
- Volunteered one morning clinic session every week
- Studied patient-doctor interactions under Dr. Bottino

8/2011 – 5/2013 **Research Fellow**, Laboratory of Dr. Karine Gibbs, Department of Molecular and Cellular Biology, Harvard University, Cambridge, MA

- Conducted research to further the search and characterization of genes that contribute to mechanisms driving the ability to recognize "self" in the bacterial system *Proteus mirabilis*

- Served as senior member of the lab during this time period
- Invited as an inaugural speaker for the departmental Cellular Dynamics Research Talks in April 2013
- Presented posters at local conferences and published two manuscripts
- Tasked with several key responsibilities, including managing lab supplies and orienting new lab members
- Mentored two graduate rotation students
- Presented results weekly at lab meetings
- Collaborated with BASF, the world's largest chemical company, on studying uropathogenic biofilms
- Performed microbiological lab techniques including cloning (plasmid design and construction, transformation and conjugation of strains, DNA extraction, chromosomal alterations), PCR, primer design, agarose gel electrophoresis, Western blotting, TCA precipitation assay, CFU counts, limited genome sequencing, immunofluorescence, microscopy, and biofilm assays. Made lab reagents and media. Practiced BL2 safety.

4/2010 – 5/2011 **Undergraduate Thesis Researcher**, Laboratory of Dr. Karine Gibbs, Department of Molecular and Cellular Biology, Harvard University, Cambridge, MA

- Conducted research for senior honors thesis: “The role of self-recognition during competition in mixed *Proteus mirabilis* populations”
- Joined as the first member of the lab
- Performed microbiological lab techniques including liquid- and surface-associated competition assays, growth curves, CFU counts, cloning (plasmid design and construction, transformation and conjugation of strains, DNA extraction), PCR, primer design, agarose gel electrophoresis, and microscopy. Made lab reagents and media. Practiced BL2 safety.
- Presented poster at the Life Sciences Undergraduate Research Fair on campus in October 2010
- Presented results weekly at lab meetings
- Published study as a contributing author

6/2009 – 8/2009 **Undergraduate Researcher**, Laboratory of Dr. Yang Zhong, Department of Life Sciences, Fudan University, Shanghai, China

- Joined lab through the Harvard Summer School for Life Sciences in Shanghai, China
- Contributed data to two projects: “Two Different Features in Plant Evolution: Monophyly of *Incarvillea* through the 3-UGT Gene” and “Detection of Horizontal Gene Transfer between Insect *Melaphis chinensis* and Its Host Plant *Rhus chinensis*”
- Performed DNA extraction, PCR, gel electrophoresis, plasmid construction, transformation, and cloning

6/2007 – 8/2007 **Summer Intern**, Laboratory of Dr. Lloyd Davis, Center for Laser Applications, University of Tennessee Space Institute, Tullahoma, TN

- Designed and constructed a portable Petri dish incubator using AutoCAD software for use on a microscope stage

PUBLICATIONS

- Marcil LE, Hole MK, **Wenren LM**, Schuler MS, Zuckerman BS, Vinci RJ. Free Tax Services in Pediatric Clinics. *Pediatrics*. 2018;141(6):e20173608. doi: 10.1542/peds.2017-3608.
- Shakartzi H, **Wenren L**, Fernandez S, Marino R, Meade M, Pierre-Joseph N, Rodrigues D, St. Omer Roy N, Valle E, Abbott JF. DREAM: empowering preclinical medical students with labor support. *MedEdPORTAL Publications*. 2018;14:10665. doi: 10.15766/mep_2374-8265.10665.
- Rea CJ, Tran KD, Jorina M, **Wenren LM**, Hawryluk EB, Toomey SL. A Randomized Controlled Trial of an Eczema Care Plan. *Academic Pediatrics*. 2018 Mar 2. pii: S1876-2859(18)30118-9. doi: 10.1016/j.acap.2018.02.015.
- Rea CJ, **Wenren LM**, Tran KD, Zwemer E, Mallon D, Bernson-Leung M, Samuels RC, Toomey SL. Shared Care: Using an Electronic Consult Form to Facilitate PCP-Specialty Care Coordination. *Academic Pediatrics*. 2018 Apr 3. pii: S1876-2859(18)30135-9. doi: 10.1016/j.acap.2018.03.010.

- Rea CJ, Tran KD, Jorina M, **Wenren LM**, Hawryluk EB, Toomey SL. Associations of eczema severity and parent knowledge with child quality of life in a pediatric primary care population. *Clinical Pediatrics*. 2018 Jul. <https://doi.org/10.1177/0009922818787295>.
- Karwowski MP, Stamoulis C, **Wenren LM**, Faboyede GM, Quinn N, Gura KM, Bellinger DC, Woolf AD. Blood and Hair Aluminum Levels, Vaccine History, and Early Infant Development: A Cross-Sectional Study. *Academic Pediatrics*. 2018 Mar;18(2):161-165. doi: 10.1016/j.acap.2017.09.003.
- Samuels RC, Ward VL, Melvin P, Macht-Greenberg M, **Wenren LM**, Yi J, Massey G, Cox JE. Missed Appointments: Factors Contributing to High No-Show Rates in an Urban Pediatrics Primary Care Clinic. *Clinical Pediatrics*. 2015 Sep;54(10):976-82. doi: 10.1177/0009922815570613.
- Wenren LM**, Sullivan NL, Cardarelli L, Septer AN, Gibbs KA. Two independent pathways for self-recognition in *Proteus mirabilis* are linked by type VI-dependent export. *mBio*. 2013 Jul; 4(4):e00374-13. doi: 10.1128/mBio.00374-13.
- Sullivan NL, Septer AN, Fields AT, **Wenren LM**, Gibbs KA. The complete genome sequence of *Proteus mirabilis* strain BB2000 reveals differences from the *P. mirabilis* reference strain. *Genome Announc*. 2013 Sep;1(5):e00024-13. doi: 10.1128/genomeA.00024-13.
- Gibbs KA, **Wenren LM**, Greenberg EP. Identity gene expression in *Proteus mirabilis*. *J Bacteriol*. 2011 Jul;193(13):3286-92. doi: 10.1128/JB.01167-10.

PRESENTATIONS & POSTERS

- Rea CJ, Tran KD, Jorina M, **Wenren LM**, Hawryluk EB, Toomey SL. Associations of childhood eczema severity, quality of life, and caregiver knowledge. Poster presentation. Pediatric Academic Societies (PAS) 2018 Meeting. Toronto, Canada. May 5-8, 2018.
- Marcil LE, Hole MK, **Wenren L**, Schuler MS, Zuckerman BS, Vinci RJ. Free Tax Services for Families in Clinic: A Novel Approach to Child Poverty. Platform presentation. Pediatric Academic Societies (PAS) Annual Meeting. San Francisco, CA. May 6-9, 2017.
- Rea C, Tran K, Jorina M, **Wenren L**, Hawryluk E, Toomey SL. Randomized Controlled Trial of an Eczema Care Plan. Platform presentation. Pediatric Academic Societies (PAS) Annual Meeting. San Francisco, CA. May 6-9, 2017.
- Rea CJ, Tran KD, Jorina M, **Wenren LM**, Hawryluk E, Toomey SL. Randomized Controlled Trial of an Eczema Care Plan. Poster presentation. Academic Pediatric Association (APA) Region 1 2017 Meeting. Waltham, MA. March 27, 2017.
- Hole MK, Marcil LE, **Wenren L**, Zuckerman B, Vinci RJ. Economic Empowerment in Pediatric Primary Care. Poster presentation. Federal Reserve System Community Development Research Conference 2017. Washington, D.C. March 23-24, 2017.
- Rea CJ, Tran KD, Jorina M, **Wenren LM**, Hawryluk E, Toomey SL. Randomized Controlled Trial of an Eczema Care Plan. Poster presentation. Program for Patient Safety and Quality (PPSQ) Research Day. Boston Children's Hospital, Boston, MA, March 14, 2017.
- Wenren L**, Marcil LE, Hole MK, Zuckerman B, Vinci RJ. StreetCred: Economic Empowerment in Pediatric Primary Care. Poster presentation. Annual Medical Student Research Symposium, Boston University School of Medicine. Boston, MA. February 13, 2017.
- Marcil L and **Wenren L**. StreetCred: Economic Empowerment in Pediatric Primary Care. Community Health Ground Rounds, Boston Children's Hospital. Boston, MA, January 9, 2017. Recording: <https://meeting.childrens.harvard.edu/p806n5ch8jp/>
- Wang V, **Wenren L**, Moses J, Cheston C. In-Person Interpreter Participation during Morning Rounds Changes Patient Management on the Pediatric Inpatient Ward. Poster Presentation and Student Storyboard Walkaround Session. 28th Annual Institute for Healthcare Improvement. Orlando, FL, December 5, 2017. Winner of Quality Improvement Category for Student Storyboard Walkaround Session.
- Wenren L**, Marcil LE, Hole MK, Zuckerman B, Vinci RJ. StreetCred: Economic Empowerment in Pediatric Primary Care. Poster presentation. 11th Annual Massachusetts Medical Society (MMS) Research Poster Symposium. Waltham, MA. December 2, 2016.
- Wang V, **Wenren L**, Moses J, Cheston C. In-Person Interpreter Participation during Morning Rounds Changes Patient Management on the Pediatric Inpatient Ward. Poster presentation. 11th Annual Massachusetts Medical Society (MMS) Research Poster Symposium. Waltham, MA. December 2, 2016.

- Wang V, **Wenren L**, Moses J, Cheston C. In-Person Interpreter Participation during Morning Rounds Changes Patient Management on the Pediatric Inpatient Ward. Poster presentation. 4th Annual BMC Quality, Safety, and Patient Experience Poster Ceremony. Boston, MA. November 17, 2016.
- Wenren L**, Hole MK, Marcil LE, Zuckerman B, Vinci RJ. StreetCred: Economic Empowerment in Pediatric Primary Care. Poster presentation. 9th Annual Community Health Poster Day. Boston Children's Hospital. Boston, MA, November 3, 2016. Winner of Top Three Poster.
- Shakartzi H, Pierre-Joseph NP, Rodrigues D, et al. DREAM: empowering preclinical medical students with labor support training. Oral abstract presented at: Counsel on Resident Education in Obstetrics and Gynecology and Association of Professors of Gynecology and Obstetrics Annual Meeting; March 11, 2017; Orlando, FL.
- Conroy K, **Wenren L**, Cadet T, Patel N, Cox J, Samuels R. Utilizing a population-level bundled measure to assess success in delivering comprehensive preventive care during the first year of life. Poster presentation. 5th Annual Primary Care Innovations Conference. Boston, MA, October 6, 2015.
- Woolf AD, Stamoulis C, **Wenren LM**, Faboyede GM, Gura K, Quinn N, Karwowski MP. Are Blood and Hair Aluminum Levels Associated with Vaccine Aluminum Loads in Healthy Infants? Platform presentation. North American Congress of Clinical Toxicology (NACCT) Annual Meeting. San Francisco, CA. October 8-12, 2015.
- Wenren LM**, Conroy KN, Cox JE, Samuels RC. Scheduling Changes Decrease Patient Wait Times in an Academic Pediatric Primary Care Setting. Poster presentation. Pediatric Academic Societies (PAS) Annual Meeting. San Diego, CA. April 24-28, 2015.
- Woolf AD, Stamoulis C, **Wenren LM**, Faboyede GM, Bellinger D, Gura K, Quinn N, Karwowski MP. Blood and Hair Aluminum Levels: Are They Associated with Neurodevelopmental Progress in Healthy Infants? Platform presentation. Pediatric Academic Societies (PAS) Annual Meeting. San Diego, CA. April 24-28, 2015.
- Cox JE, Conroy K, Engelhart T, Harris SK, **Wenren LM**, Vyavaharkar A, Federico A, Woods ER. Longitudinal Effects of a Parenting and Life Skills Intervention for Teen Mothers: A Randomized Controlled Trial. Platform presentation. Pediatric Academic Societies (PAS) Annual Meeting. San Diego, CA. April 24-28, 2015.
- Conroy K, Reisinger E, Samuels R, Fogel B, **Wenren L**, Cox J. Transforming Academic Primary Care: A Quality Improvement Initiative to Improve Empanelment and Continuity of Care. Platform presentation. Pediatric Academic Societies (PAS) Annual Meeting. San Diego, CA. April 24-28, 2015.
- Rea C, Hawryluk E, **Wenren LM**, Lee M, Cox J, Toomey SL. An Innovative Model for Providing Dermatology Services within Primary Care. Poster presentation. Pediatric Academic Societies (PAS) Annual Meeting. San Diego, CA. April 24-28, 2015.
- Rea C, Zwemer E, Mallon D, **Wenren LM**, Samuels RC, Toomey SL. Using an Electronic Referral Form to Facilitate PCP-Specialty Care Coordination. Poster presentation. Pediatric Academic Societies (PAS) Annual Meeting. San Diego, CA. April 24-28, 2015.
- Conroy K, Reisinger E, Samuels R, Fogel B, **Wenren L**, Cox J. Transforming Academic Primary Care: A Quality Improvement Initiative to Improve Empanelment and Continuity of Care. Platform presentation. Academic Pediatric Association (APA) Region 1 2015 Meeting. Boston, MA. March 16, 2015.
- Rea C, Hawryluk E, **Wenren LM**, Lee M, Cox J, Toomey SL. An Innovative Model for Providing Dermatology Services within Primary Care. Poster presentation. Academic Pediatric Association (APA) Region 1 2015 Meeting. Boston, MA. March 16, 2015.
- Wenren L**, Gray L, Engelhart T, Cox J. Implementing a Population Management Triage System to Effectively Utilize Social Work: A Preliminary Analysis. 4th Annual Primary Care Innovations Conference, Boston, MA, October 7, 2014. Poster presentation (first place prize).
- Wenren L**, Reisinger E, Samuels R, Cox J, Chan J, Martinez V, Conroy K. Designing and evaluating systems to promote provider and care team continuity in a pediatric primary care practice. 4th Annual Primary Care Innovations Conference, Boston, MA, October 7, 2014. Poster presentation (top twelve submission).
- Chan J, **Wenren L**, Mallory G, Schubert-Bob P, Samuels R, Conroy K. Understanding emergency department utilization patterns of pediatric primary care patients for non-urgent conditions. 4th Annual Primary Care Innovations Conference, Boston, MA, October 7, 2014. Poster presentation.

- Ianelli S, Haynes L, **Wenren L**, Beauregard M, Schubert-Bob P. Organized Chaos? A Framework for Workflow Improvements. Poster presentation. American Academy of Ambulatory Care Nursing (AACN) Annual Conference. New Orleans, LA. May 19-22, 2014.
- Conroy K, Harris SK, Engelhart T, **Wenren L**, Woods E, Cox J. A Longitudinal Analysis of Social Support in Teen Mothers and its Relationship to Maternal Self-Esteem. Poster presentation. Pediatric Academic Societies (PAS) Annual Meeting. Vancouver, Canada. May 3-6, 2014.
- Conroy K, Harris SK, Engelhart T, **Wenren L**, Woods E, Cox J. It Takes a Village – or Does it? A Longitudinal Analysis of Social Support in Teen Mothers and its Relationship to Maternal Self-Esteem Around Parenting. Poster presentation. Society for Adolescent Health and Medicine (SAHM) Annual Meeting. Austin, TX. March 23-26, 2014.
- Wenren LM**, Sullivan NL, Cardarelli L, Septer AN, Gibbs KA. Mapping the network of self recognition in *Proteus mirabilis*. Presentation. Cellular Dynamics Research Talks. Harvard University, Cambridge, MA. April 2, 2013.
- Wenren LM**, Sullivan NL, Cardarelli L, Septer AN, Gibbs KA. Mapping the network of self recognition in *Proteus mirabilis*. Poster presentation. Boston Bacterial Meeting (BBM). Cambridge, MA. June 14-15, 2013.
- Bottino CJ, Rhodes ET, Reisinger EM, Marmon G, Pikcilingis A, Ten Haagen K, **Wenren L**, Tsopelas L, Mudd J, Geanacopoulos A, Cox J, Fleegler EJ. Cumulative Burden of Health-Related Social Problems Associated with Increasing Body Mass Index among 3–10 Year Olds. Poster presentation. Pediatric Academic Societies (PAS) Annual Meeting. Washington, DC. May 4-7, 2013.
- Bottino CJ, Rhodes ET, Reisinger EM, Marmon G, Pikcilingis A, Ten Haagen K, **Wenren L**, Tsopelas L, Mudd J, Geanacopoulos A, Cox J, Fleegler EJ. Cumulative Burden of Health-Related Social Problems Associated with Worsening Self-Rated Health among Families with 3–10 Year Olds. Poster presentation. Pediatric Academic Societies (PAS) Annual Meeting. Washington, DC. May 4-May 7, 2013.
- Wenren LM**, Sullivan NL, Gibbs KA. Secretion of self-recognition component, IdsA, by a conserved bacterial export system is necessary for increased surface fitness. Poster presentation. Department of Molecular and Cellular Biology Annual Retreat, Harvard University. Woods Hole Marine Biological Laboratories, MA. October 12-14, 2012.
- Wenren LM**, Gibbs KA. Developing an experimental system to examine the role of self-recognition in mixed bacterial populations. Poster presentation. Life Sciences Undergraduate Research Fair, Harvard University. Cambridge, MA. October 14, 2010.

AWARDS/HONORS

- 2019 United States Public Health Service (USPHS) 2019 Excellence in Public Health Award
- 2019 Semi-finalist for Massachusetts Medical Society (MMS) Medical Student Scholars Award
- 2019 William F. McNary, Jr. Award from the Class of 1991, Boston University School of Medicine
- 2019 New England Pediatric Society Award, Boston University School of Medicine
- 2019 Nominee for Alpha Omega Alpha (AOA) Medical Student Service Leadership Project Grant
- 2018 Gold Humanism Honor Society
- 2018 Nominee for AMA Alliance Grassroots Physicians of Tomorrow Scholarship
- 2016 Child Health and Advocacy Project (CHAP) Internship, Boston University School of Medicine
- 2016 Top Three Poster, 9th Annual Community Health Poster Day, Boston Children's Hospital
- 2015 Dean's Scholar (\$20,000 annual merit scholarship), Boston University School of Medicine
- 2014 First place poster presentation and Top 12 submission, 4th Annual Primary Care Innovations Conference, Boston, MA
- 2011 A.B. Cum Laude with Honors in Concentration, Harvard College
- 2010 Harvard College Research Program (HCRP) Grant
- 2009 David Rockefeller International Experience Grant, Harvard College
- 2007 Salutatorian, Tullahoma High School
- 2007 Semifinalist of Intel Science Talent Search
- 2007 Walton Foundation Scholar
- 2007 AP Scholar Award

- 2007 Commended Student in National Merit Program
2006 Regional Finalist of Siemens Competition in Math, Science, and Technology

LEADERSHIP EXPERIENCE & EXTRACURRICULAR ACTIVITIES

- 9/2018 **Invited Speaker**, Donor Event for The Arc of Massachusetts Operation House Call
- Participated in Operation House Call as a third year medical student during pediatrics clerkship, which involved visiting a child with complex medical needs and their caregivers in their home to learn more about their lives, which I found profound
 - Invited to speak about my experience and continued communication with the family at fundraising event
- 11/2017 – 5/2019 **Student Leader & Co-Founder of BU Student Run Teen and Tot Service**, BUSM
- Helped design and start a student-run health service for adolescent mothers and their children of the Boston Medical Center Teen and Tot Program: bmc.org/pediatrics-teen-and-tot-program
 - bumc.bu.edu/busm/student-life/student-life/service-learning/bu-student-run-teen-and-tot-service
 - Our mission is to increase patient access to the healthcare system, deliver education, and provide resources to meet social needs for this high-risk patient population. We afford pre-clinical students interested in pediatrics opportunities to gain experience in history taking, physical exam, patient education, and oral presentation.
 - Helped recruit members, refine program logistics, write grant proposals, and create surveys, guides, and templates
 - Conducted trial services Summer 2018 and started pilot Fall 2018: oversaw and optimized flow, mentored and supervised M1/M2, provided feedback to M1/M2 interview and presentation, prepared teaching points, led physical exam, assessment, and plan discussion with patients
 - BUSM Nominee for Alpha Omega Alpha (AOA) Medical Student Service Leadership Project Grant
- 1/2016 – 5/2017 **VITA Volunteer, Student Leader & Co-Founder of StreetCred @ BUSM**
- Filed tax returns for clients for two tax seasons after completing training for the Volunteer Income Tax Assistance (VITA) program
 - Co-founded new student-run service learning group in 2017 to support the newly founded organization StreetCred (mystreetcred.org)
 - Our goals are: to train students in tax return preparation; to educate students about financial topics important to our patients; to file free tax returns for taxpayers; to support StreetCred in its mission to grow and expand as an organization; to understand the impact of poverty on health, particularly in pediatric patients
- 4/2016 – 5/2019 **Student Leader of BU Advocacy Training Program (BUATP)**, BUSM
- 1/2017 – 4/2017 **Student Leader, Spectrum for Physician Advocacy 1 (SPA-1) elective**
- 9/2018 – 12/2018 **Student Leader, Spectrum for Physician Advocacy 2 (SPA-2) elective**
- Help shape the longitudinal curriculum of the BU Advocacy Training Program (blogs.bu.edu/buatp), which seeks to promote advocacy and awareness of social determinants among students at the medical campus through unique educational and leadership opportunities of health among students through unique educational and leadership opportunities
 - Helped organize and teach SPA-1, a student-led, faculty-mentored free-time elective that educates medical and dental students about the many roles physicians can have as an advocate and understanding the social context of disease
 - Helped organize and teach SPA-2, a student-led, faculty-mentored free-time elective where medical students learn different strategies and tactics for advocacy campaigns
 - Helped develop SPA-3 to pilot with third year students this year
 - Organized events including advocacy interest panel, student potluck dinners, and guest speakers (Advocacy Grand Rounds)
 - Collaborated with key stakeholder faculty to continue institutionalizing and strengthening BUATP

9/2015 – 4/2017 **Delivery Resources, Experience, and Advocacy For Moms (DREAM), BUSM**
4/2016 – 4/2017 **Student Leader**

- Participate in a student-run service learning project that equips medical students with the skills necessary to provide effective prenatal, labor, and postpartum support for women and teens with limited social support at Boston Medical Center
- Shared powerful, intimate experiences providing support around vaginal and caesarian deliveries for 5 pregnant women: an adolescent woman with her first pregnancy, an incarcerated mother with a planned caesarian, an immigrant mother who only spoke Haitian Creole, a mother who wanted to trial labor after previous caesarians, and a mother who subsequently had her newborn taken from her custody by the Department of Children and Families (I went with her family to experience a day at Family Court)
- As the sole second year Student Leader, expanded group and organized logistics, assignments, didactics, and other opportunities for 10 student members with input from faculty advisors
- Published curriculum in MedEdPORTAL

9/2015 – 12/2016 **Resources & Education for Adolescents and their Children (REACH), BUSM**
1/2016 – 12/2016 **Leadership Board: Administrative and Logistics Coordinator**

- Participated in a student-run service learning project that works with and learns from homeless adult and adolescent parents and their young children in nearby homeless shelters: bumc.bu.edu/busm/student-life/student-life/service-learning/reach-resources-and-education-for-adolescents-and-their-children
- Led weekly interactive, educational workshops with families around topics including vaccines, sexual health, and mental health
- Provided childcare inside shelters
- As a Student Leader in 2016, helped coordinate logistics of weekly site visits for the 30+ student members, planned and facilitated meetings, and served as the liaison for the BUSM administration and shelter coordinators

9/2016, 2017, 2018 **Rodman Ride for Kids (rodmanforkids.org), Boston, MA**

- Biked 50 miles (2018) or 25 miles (2016, 2017) and fundraised for a charity bike ride for pediatric programs at BMC and BUSM

1/2017 – 7/2017 **Cuddling Assists in Lowering Maternal and Infant Stress (CALM), BUSM**

- Cuddled newborns with neonatal abstinence syndrome (NAS) secondary to in-utero opioid exposure at Boston Medical Center as an effective method of non-pharmacologic care

2/2016 – Present **Admissions Student Leader, BUSM**

- One of the several leaders who helped organize activities on both applicant interview days (lunches in particular) and Admissions Open House for accepted students for 2016-2017
- Talked with applicants over lunch and provided them school tours

1/2016 – 4/2016 **Spectrum of Physician Advocacy 1 (SPA-1) elective course, BUSM**

- Completed student-led curriculum focused on the many roles of the physician as an advocate and understanding the social context of disease

9/2016 – 12/2016 **Spectrum of Physician Advocacy 2 (SPA-2) elective course, BUSM**

- Completed student-led curriculum learning different techniques for devising and implementing advocacy initiatives

2/2016 – 3/2016 **Healer's Art elective course, BUSM**

- Completed a curriculum in values clarification and professionalism offered at 70+ medical schools: www.rachelremen.com/learn/medical-education-work/the-healers-art/

- Utilized “principles of adult education, contemplative studies, humanistic and transpersonal psychology, cognitive psychology, formation education, creative arts and storytelling to present and explore human dimensions of medicine rarely discussed in medical training”

11/2015 – 2/2017 **Book Club, BUSM**

- Participated in a book club sponsored by the BUSM Office of Student Affairs
- Read and discussed themes from each book over several sessions in a small group setting facilitated by Dr. Arvin Garg: “Being Mortal” by Atul Gawande, “When Breath Becomes Air” by Paul Kalanithi, “Into the Magic Shop” by James Doty, “The Spirit Catches You and You Fall Down” by Anne Fadiman

10/2015 – 5/2019 **Preclerkship Curriculum & Assessment Subcommittees, BUSM**

- Student representative of the school’s Preclerkship Curriculum Subcommittee that reviews and oversees the first two preclinical years
- Student representative of the Assessment Subcommittee that examines the system of student evaluations during the two clinical years
- Collaborated with peers in soliciting and conveying general student feedback on topics including flipped-classroom model, mandatory classes, small group discussions, curriculum reform/redesign, professionalism, new clinical evaluation forms, appropriate treatment in medicine, and peer assessments

8/2015 – 5/2016 **Student Advisory Committees, BUSM**

8/2015 – 9/2015 **Molecules to Cells and Cells to Tissues courses**

8/2015 – 5/2016 **Introduction to Clinical Medicine 1 Fall & Spring courses**

- Brought up concerns from other students to the teaching faculty, identified areas for improvement, and provided constructive feedback

2/2012 – 4/2012 **Emergency Room Volunteer**

Volunteer Department, Mount Auburn Hospital, Cambridge, MA

- Assisted in the Emergency Room for 4 hrs/wk by working primarily with the Patient Care team to clean rooms, restock rooms with supplies and beds, take out dirty linen, and deliver blood samples to the Core and Blood Bank
- Shadowed Patient Care Assistants while they performed their routine duties

1/2012 – 2/2012 **Patient Representative Volunteer**

Volunteer Department, Mount Auburn Hospital, Cambridge, MA

- Visited patient rooms for 3-4 hrs/wk to check on how the patient was doing, offer friendly conversation, ask if they needed anything (a drink, a magazine to read, the nurse, etc.), and see if they wanted me to relay any complaints or concerns to the hospital

9/2007 – 5/2011 **Bach Society Orchestra** (www.bachsoc.org), Harvard University

1/2009 – 3/2011 **General Manager**

4/2008 – 1/2010 **Social Chair**

- The Bach Society Orchestra (bachsoc.org), affectionally called BachSoc by its members, is an entirely student-run chamber orchestra with a student conductor
- Played violin: performed 4-5 times each year and rehearsed 5 hours each week
- As Social Chair, organized 5 large social events for the organization, including post-concert celebrations, the annual soirée for welcoming new and returning members, and the annual end-of-year banquet
- As General Manager:
 - Co-managed entirely student-run undergraduate organization consisting of ~50 members, including ~10 staff members
 - Coordinated overall logistics and personnel matters, including securing dates and venues for rehearsals and concerts and orchestral attendance and roster
 - Orchestrated a sold-out benefit concert (1,000+ people) shortly after the tsunamis in Japan in March 2011 and raised more than \$5,500 for the Red Cross Japan Relief Fund

9/2007 – 5/2011 **Harvard University Band**, Harvard University

12/2007 – 11/2008 **Photographer**

- The Harvard University Band (harvardband.org) is an entirely student-run scramble band that promotes school spirit and tradition through performing at a large variety of athletic, university, community, and charity events
- Performed as a Prop Crew member (i.e., manage props for half-time shows, play and protect the enormous bass drum Bertha) and Percussionist (cymbals and glockenspiel) at various events weekly
- Photographed the organization performing at events for publicity, newsletters, and blogs in 2008
- Some unique events: Harvard Commencement, Harvard-Yale Football Game, Boston Duckling Day Parade, NCAA Women's Ice Hockey Frozen Four, Boston Hockey Beanpot Tournament

TEACHING & MENTORING EXPERIENCE

5/2016 – 5/2019 **Peer Advisor**, BUSM

- Provide peer mentorship to several assigned underclassmen (4 M1s, 2 M2s, 3 M3s) through informal meetings, emails, and texts

3/2015 – Present **Pre-Medical Non-Resident Tutor**, Leverett House, Harvard University

- Advise 1-2 applicants each year (5 applicants to-date) for applying to medical school as part of the Leverett House Health Professions Advisory Committee
- Write first draft of applicant's committee letter for letters of recommendation
- Hold mock interviews and review applicants' essays

9/2011 – 12/2011 **Teaching Assistant**, Math E-16 (Introduction to the Calculus B and Differential Equations), Harvard University Extension School, Cambridge, MA

- Planned and taught weekly review sessions (separate from lectures).
- Graded problem sets for the whole class (~30 students)
- Asked by one student to write a letter of recommendation for college re-admission

2/2010 – 5/2011 **On-Call Tutor**, On-Call Peer Tutoring (OPT) Program, Bureau of Study Counsel, Harvard University, Cambridge, MA

- Regularly tutored approximately 4 students per semester individually in a variety of courses, including calculus and introductory life science courses

9/2008 – 12/2009 **Course Assistant**, Math 1a (Introduction to Calculus) (Fall 2009), Math 1b (Calculus, Series, & Differential Equations) (Fall 2008 & Spring 2009), Department of Mathematics, Harvard University, Cambridge, MA

- Planned and taught weekly problem sessions (separate from lectures)
- Graded all problem sets for assigned section (15-30 students)
- Provided help to students outside of the classroom at the Math Question Center

OTHER WORK EXPERIENCES

9/2007 – 5/2008 **Term-time Worker**
Dorm Crew, Harvard University, Cambridge, MA

- Cleaned in-suite bathrooms in undergraduate housing before freshmen move-in and during freshman year