

— SHEN NING —

M D - P h D C a n d i d a t e



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- shenning.site

I am a MD-PhD candidate, neuroengineer, and medtech innovator at Boston University School of Medicine pursuing a career in interventional radiology with a passion for developing minimally invasive technologies to tackle clinical unmet needs.

EDUCATION

- 2024** **M.D./Ph.D. – BOSTON UNIVERSITY SCHOOL OF MEDICINE AND MASSACHUSETTS GENERAL HOSPITAL**
Graduate Program for Neuroscience (3.97 GPA). PhD conducted jointly at Massachusetts General Hospital
PhD defended in Spring 2022
- 2022** **FULBRIGHT FELLOW – ETH ZURICH**
Mechanical Engineering
Biomedical Microrobotics
- 2015** **B.A. – CORNELL UNIVERSITY**
Major: Biology and Society
Minor: Cognitive Science
3.9 GPA
- 2014** **VISTING STUDENT – OXFORD UNIVERSITY**
Course of study: Human Sciences

SELECTED AWARDS

- 2023** Boston University New Venture Competition (\$6000)– 3rd place
- 2023** TiE Boston winner (\$5000)– for best student-founded startup pitch
- 2023** ASU Innovation Open 1st place (\$100,000) – to continue working on therapeutic ultrasound device (INIA)
- 2023** Society for Interventional Radiology 2023 Medical Student Scholar (\$1,000) – to attend SIR conference
- 2022** MassMEDIC cohort – top 4 medtech companies selected for 2022 cohort
- 2022** Oxford Creative Destruction Lab Innovator
- 2022** Boston University Graduate Student Innovator of the Year – Top innovator award for PhD student across all Graduate Medical Science PhD departments
- 2022** Boston University Russek Day Student Achievement Award – 2nd prize
- 2022** Boston University innovation lab Innovation pathway award (\$3,000)
- 2022** Rice Business Plan Competition (\$5,800) – 5th place (top 1% of startups)
- 2022** Nucleate Boston – finalist
- 2021** MIT IDEA² Program – finalist cohort
- 2021** Imagine!F! Oxford Accelerator – winner
- 2020** Merck Innovation Cup 2nd place – winning pitch for electroceutical device now incorporated into the Merck Innovation Center's product development pipeline
- 2019** MIT IMPACT Fellow (NIH Funded) – Professional development program for pre- and postdoctoral trainees
- 2018** Neurophotonics Conference Travel Award (\$1,000) – for 2018 Society for Neuroscience meeting
- 2017** Boston Medical Center Anesthesiology Department Travel Award (\$400) – to attend anesthesiology conference
- 2017** Boston University School of Medicine Conference Travel Award (\$500) – to attend conference at the International Congress of Parkinson's Disease and Movement Disorder
- 2015** Dean's Scholarship (\$564,760) – Boston University School of Medicine scholarship for MD-PhD candidates

- 2014** Experimental Psychology Society Summer Research Scholarship (\$4,000) – summer research stipend for working memory research
- 2013** Shoals Scholarship (\$4,000) – for summer marine biology course on Appledore Island, NH, USA, merit based
- 2013** Deborah M. Nugent Memorial Scholarship (\$20,000)– Cornell University merit-based scholarship
- 2012** Biology Research Fellowship (\$5,000) – for summer research on emerin protein
- 2012** William G. Hoyt Memorial Scholarship (\$15,000) – Cornell University merit-based scholarship
- 2012** S.K. Alfred Sze Scholarship (\$23,000) – Cornell University merit-based scholarship
- 2012** Cornell Arts and Sciences Undergraduate Scholarship (\$11,000) – Cornell University merit-based scholarship

GRANTS AND FELLOWSHIPS

- 2023** Boston Medical Center Radiology Research Fellowship (\$2000)– funding for research project at Boston Medical Center Interventional Radiology department
- 2023** Society for Interventional Radiology Foundation Dr. and Mrs. W.C. Culp Student Research Grant (\$6000)– funding for research project with Boston Medical Center Interventional Neuroradiology department
- 2021** Fulbright Research Award, Switzerland (\$20,000) – Limited to 10 spots
- 2021** NIH Ruth L. Kirschstein National Research Service Award (F30) (\$102,072) – competitive NIH fellowship for MD/PhD training
- 2019** Boston University Interdisciplinary Arts Grant (\$2000) – in support of the proposed NeuroArts Forum project
- 2019** BU nano Cross-Disciplinary Fellowship (\$17,500)
- 2019** Society for Neuroscience Travel Award (\$2,000)- to attend the International Brain Research Organization World Congress
- 2019** Boston University Graduate Women in Science and Engineering Professional Development Grant (\$100)
- 2018** Boston University Neurophotonics NRT Training Program (NSF funded)
- 2016** Massachusetts Medical Society Service Grant (\$5,000) – for developing a new medical student-run clinic targeted at low-income elderly populations in Boston
- 2015** Cornell Programming Board Grant (\$2,000) – for developing an educational program for Burmese Refugee children in Ithaca, NY, USA

SELECTED PUBLICATIONS

Ning S, Sanchis RG, Franco, Wendel-Garcia PD, Ye H, Picazo AV, Tang Q, Hertle L, Pujante CF, Sevim S, Wintle JF, Zhu C,d Cai J,e Qin XH, Puigmarti-Luis J, Chen X, Nelson B, Pané i Vidal S. Magnetic PiezoBOTS: A Microrobotic Approach for Targeted Amyloid Protein Dissociation. *Nanoscale*. 10.1039/D3NR02418K.

Ning S, Chautems C, Kim Y, Rice H, Hanning U, Al Kasab S, Meyer L, Psychogios M, Zaidat OO, Hassan AE, Masoud HE, Mujanovic A, Kaesmacher J, Dhillon PS, Ma A, Kaliev A, Nguyen TN, Abdalkader M. *Semin Neurol*. 2023 Jun;43(3):432-438.

Asuncion-Nadal V, Veciana A, **Ning S**, Terzopoulou A, Sevim S, Chen X, Gong D, Cai J, Garcia-Wendel P, Jurado-Sanchez B, Escarpa A, Franco C, Puigmartí-Luis J, Pané i Vidal S (2022). MoSBOTS: Magnetically Active MoS₂-based Microrobots for Biomedical Applications. *Small*, 18, 2203821.

Ning S., Jorfi, M., Patel, S. R., Kim, D. Y., & Tanzi, R (2022). Neurotechnological Approaches to the Diagnosis and Treatment of Alzheimer’s Disease. *Frontiers in Neuroscience*, 360.

Lima R, Gootkind EF, DelaFlor D, Yockey LJ, Bordt EA, D’Avino P, **Ning S**, Heath K, Harding K, Zois J, Park G, Hardcastle M, Grinke KA, Grimm S, Davidson SP, Forde PJ, Hall KJ, Neilan AM, Matute JD, Lerou PH, Fasano A, Shui JE, Edlow AG, Yonker LM (2020). Establishment of a pediatric COVID-19 biorepository: unique considerations and opportunities for studying the impact of the COVID-19 pandemic on children. *BMC Med Res Methodol* 20, 228.

Kwak SS, Washicosky KJ., Brand E, Maydell VD, Aronson J, Kim S, Capen DE, Cetinbas M, Sadreyev R, **Ning S**, Bylykbashi E, Xia W, Wagner S, Choi SH, Tanzi RE, Kim DY (2020). Amyloid- β 42/40 ratio directly drives tau pathology in 3D human neural cell culture models of Alzheimer's disease. *Nature Communications*. 11, 1377.

Ning S and Jorfi M (2019). Beyond the sleep-amyloid interactions in Alzheimer's disease pathogenesis. *Journal of Neurophysiology*. 122 (1): 1-4.

Ning S and Jorfi M (2019). P75 as a molecular memory switch. *arXiv:1912.1144*

Kong YL, Zou X, McCandler CA, Kirtane AR, **Ning S**, Zhou J, Abid A, Jafari M, Rogner J, Minahan D, Collins JE, McDonnell S, Cleveland C, Bense T, Tamang S, Arrick G, Gimbel A, Hua T, Ghosh U, Soares V, Wang N, Wahane A, Hayward A, Zhang S, Smith BR, Langer R, Traverso G (2019). 3D-printed gastric resident electronics. *Advanced Materials Technologies*. 4, 1800490.

Raje P and Ning S, Branson C, Saint-Hilaire M, Ponce de Leon M, Hohler AD (2019). Self-Reported Exercise Trends in Parkinson's Disease Patients. *Complementary Therapies in Medicine*. 42, 37-41.

Ghosh U, **Ning S**, Wang Y, Kong YL (2018). Addressing unmet clinical needs with 3D printing technologies. *Advanced Healthcare Materials*. 7(17), e1800417.

Zokaei N, **Ning S**, Manohar SS, Feredoes E, Husain M (2014). Flexibility of representational states in working memory. *Frontiers in Human Neuroscience*. 8:853.

In preparation or under review:

Abdalkader M*, **Ning S***, Qureshi M, Haussen D, Strbian D, Nagel S, Demeestere J, Puetz V, Mohammaden M, Gadea MO, Winzer S, Yamagami H, Tanaka K, Marto JP, Tomppo L, Henon H, Sheth SA, Ortega-Gutierrez S, Martinez-Majander N, Caparros F, Lemmens R, Dusart A, Bellante A, Zaidi S, Siegler J, Nannoni S, Kaesmacher J, Dobrocky T, Farooqui M, Salazar-Marioni S, Virtanen P, Vandewalle L, Wouters A, Jesser J, Ventura R, Castonguay AC, Uchida K, Puri AS, Masoud HE, Klein P, Mansoor Z, Bui J, Kang M, Mujanovic A, Rizzo F, Kokkonen T, Ramos JN, Strambo D, Michel P, Möhlenbruch MA, Lin E, Kaiser DPO, Yoshimura S, Sakai N, Cordonnier C, Ringleb PA, Roy D, Zaidat OO, Fischer U, Ribo M, Raymond J, Nogueira RG, Nguyen TN. Sex differences in late-window endovascular stroke thrombectomy. *Submitted to Stroke*.

Ning S, Park J, Rompala A, Washicosky K, Kumar DK, Kumar N, Kim I, Rodriguez A, Choi SH, Tanzi RE, Kim DY. Magnetic removal of amyloid- β species blocks tau pathology in 3D human neural cell culture models of AD. *Submission to Science Advances*

Logeswaran A, **Ning S**, Nannery M, Chaudhry F, Dumas K, Higgins M. Characteristics and Practice of Morbidity and Mortality Review in Interventional Radiology in America. Submission to JVIR.

Chaudhry F, **Ning S**, Logeswaran A, Nannery M, Chaudhry F, Dumas K, Higgins M. Perceptions of Morbidity and Mortality Review amongst Interventional Radiologists in North America. Submission to JVIR.

Boyko A, **Ning S**, Nannery M, Chaudhry F, Dumas K, Higgins M. Attitudes and Practices of M&M Programs of GME Accredited IR programs in the United States of America. Submission to Academic Radiology.

Nazareth B, **Ning S**, Nannery M, Chaudhry F, Dumas K, Higgins M. Barriers and Solutions to Optimizing Morbidity and Mortality Review in the field of Interventional Radiology. Submission to Radiology.

PATENTS

Wearable ultrasound devices and methods of use. *Inventors: Dragana Savic and Shen Ning*. U.S. Application No. 63299131. PCT filed 1/13/23.

Modulation of immune markers using targeted ultrasound stimulation. *Inventors: Dragana Savic and Shen Ning.* U.S. Application No. 63/438,665. Provisional filed 1/12/23.

Devices and uses thereof for Alzheimer's disease therapy. Inventors: Rudolph E. Tanzi, Se Hoon Choi, Shen Ning, and Doo Yeon Kim. Application No. 63/353,499. Provisional filed 6/17/22.

RESEARCH EXPERIENCE

2023- Present	MGH IR/DR Research Collaborative <i>Medical Student Researcher</i> <ul style="list-style-type: none">• A multi-center research collaborative focused on Diagnostic and Interventional Radiology• Leading RO1 grant preparation for celiac plexus stimulation with Absorbable Conductive Electrotherapeutic Scaffolds (ACES) for medically refractory gastroparesis	Boston, MA
2022- Present	Neurointerventional Radiology (Advisors: Thanh N. Nguyen, MD and Mohamad Abdalkader, MD) <i>Boston, MA</i> <i>Medical Student Researcher at Boston Medical Center</i> <ul style="list-style-type: none">• Multi-center study on late-window endovascular stroke thrombectomy outcomes• Review article on the future of robotics in Interventional Neuroradiology	
2021- 2023	Multi-Scale Robotics Lab (Advisors: Bradley Nelson, PhD and Salvador Pane i Vidal, PhD) <i>Fulbright Research Fellow at ETH Zurich, Switzerland</i> <ul style="list-style-type: none">• Multi-functional biotemplated microrobots for magnetic navigation and piezoelectric amyloid protein degradation• Resulted in 2 publications at the intersection of material science and neuroscience	Zurich
2018- 2023	Genetics and Aging Research Unit (Advisors: Rudolph Tanzi, PhD and Doo Yeon Kim, PhD) <i>Charlestown, MA</i> <i>Graduate Researcher at MassGeneral Hospital</i> <ul style="list-style-type: none">• Developed a novel treatment methodology to reduce Alzheimer's disease pathology using antibody conjugated paramagnetic nanoparticles• Designed and tested a microfluidic brain-on-a-chip platform for high-throughput drug screening of Alzheimer's disease drugs in collaboration with Dr. Roger Kamm, PhD at MIT	
2017- 2018	Neurophotonics Center (Advisor: David Boas, PhD) <i>Graduate Researcher at Boston University</i> <ul style="list-style-type: none">• Applied various optical imaging modalities to understand neurovascular changes in Alzheimer's disease• Imaging experience with optical coherence tomography, two photon microscopy, laser speckle imaging, and intrinsic optical signal imaging	Boston, MA
2017	Langer Lab (Advisors: Bob Langer, ScD and Giovanni Traverso, MB BChir, PhD) <i>Graduate Researcher, rotation student at MIT</i> <ul style="list-style-type: none">• Utilized 3D printing design and fabrication techniques to tackle challenges in drug delivery• Published a scientific review paper on biomedical applications of 3D printing• Performed <i>in vitro</i> testing of a novel 3D printed electronic drug delivery	Cambridge, MA
2013-2014	Cognitive Neurology Group (Advisor: Masud Husain, MD) <i>Undergraduate Researcher at Oxford University</i> <ul style="list-style-type: none">• Developed and tested working memory computer tasks to be used as early diagnostic tools for Parkinson's and Alzheimer's disease• Investigated the flexibility of working memory states, which resulted in a publication in <i>Frontier in Human Neuroscience</i>	Oxford, UK
2013-2014	Brain and Cognition Lab (Advisor: Christina Anna Nobre, PhD) <i>Undergraduate Researcher at Oxford University</i>	Oxford, UK

- Assisted in designing and optimizing computer-based experiments to quantify responses to emotional stimulus in visual working memory
- Conducted experiments to analyze the effects of emotion on visual working memory
- Contributed significantly to the pilot experiments that culminated in a publication in *Emotion*

2012-2015

Lammerding Lab (Advisor: Jan Lammerding, PhD)
Undergraduate Researcher at Cornell University

Ithaca, NY

- Mastered surgical techniques to create a constriction in the abdominal aorta as a model to examine vascular defects of HGPS (Hutchinson-Gilford Progeria Syndrome)
- Conducted independent research project elucidating vascular smooth muscle cell depletion in Hutchinson-Gilford Progeria Syndrome and presented the research at an international conference

SELECTED TALKS

- 2022** Thesis Talk
“Developing magnetic nanoparticles for therapeutic antibody delivery FOR Alzheimer's disease”. Boston, MA. February 2022.
- 2020** BU GPN Progress Report
“Targeted antibody-conjugated magnetic nanoparticles for the treatment of Alzheimer's disease”. Boston, MA. December 2020.
- 2020** Genetics and Aging Research Unit – Unit Talk
“Magnetic disruption of amyloid β in Alzheimer's disease.” Charlestown, MA. June 2020.
- 2019** Korea Research Institute of Bioscience and Biotechnology (KRIBB) Seminar
“Rapid removal of Amyloid- β aggregates using superparamagnetic nanoparticles.” Daejeon, South Korea. September 2019.
- 2019** Graduate Program for Neuroscience Retreat
“Brain-in-a-dish”. Essex, MA. June 2019.
- 2019** Graduate Program for Neuroscience Seminar Series
“Developing a superparamagnetic nanoparticle therapy for Alzheimer's disease.” Boston, MA. May 2019.
- 2018** Boston University MD/PhD Program Presentation
“In vivo Imaging of Microvascular Changes in Animal Models of Neurodegeneration.” Boston, MA. August 2018
- 2017** Boston University MD/PhD Program Presentation
“Oligomeric tau shows greater toxicity than tau fibrils.” Boston, MA. August 2017
- 2012** Cornell Summer Institute for Life Sciences Symposium Presentation
“Laminopathic mutations lead to emerin mislocalization and impaired myocardin related transcription factor-A (MRTF-A) translocation.” Ithaca, NY. August 2012.

SELECTED CONFERENCES

- 2023** Radiological Society of North America 2023
Shen Ning, Thanh N. Nguyen, Mohamad Abdalkader. “The Rise of Robotics in Interventional Radiology.” Education poster presentation. Chicago, November 2022. Abstract accepted.
- 2022** AD/PD 2022
Shen Ning, Joseph Park, Catarina Teves, Trey Moore, Alex S Rodriguez, Shaun R Patel, Se Hoon Choi, Rudolph E Tanzi and Doo Yeon Kim. “Removal of amyloid- β aggregates using superparamagnetic iron oxide nanoparticles.” Poster presentation. Barcelona, Spain, March 2022.
- 2019** International Brain Research Organization World Congress

Shen Ning, Alexander Rompala, Nanda Kumar Navalpur Shanmugam, Inkyu Kim, Stephanie Hartman, Deepak Kumar Vijaya Kumar, Alex S. Rodriguez, Shaun Patel, Se Hoon Choi, Rudolph E. Tanzi and Doo Yeon Kim. "Rapid removal of Amyloid- β aggregates using superparamagnetic nanoparticles". Poster presentation. Daegu, South Korea, September 2019.

- 2018** Society for Neuroscience
Kivilcim Kiliç, Evren Erdener, **Shen Ning**, Smrithi Sunil, Anderson Chen, David Boas. "Ex-Vivo Angiography for Deeper Imaging in Chronic Stroke Models." Poster presentation. San Diego, CA, November 2018.
- 2017** 21st Annual Photonics Center Neurophotonics Symposium
Shen Ning, Evren Erdener, Jianbo Tang, Rachel Bennett, Anderson Chen, Kivilcim Kilic, Sava Sakadzic, Bradley T. Hyman, David Boas. "In vivo Imaging of Microvascular Changes in Animal Models of Neurodegeneration." Poster presentation. Boston, MA, November 2017.
- 2017** Boston University MD/PhD Retreat
Shen Ning, Yong Lin Kong, Jaimie Rogner, Robert Langer, Giovanni Traverso. "In Vitro Drug Release Studies of Progesterin in a Polymer-Based Ingestible Retention Device." Poster presentation. Boston, MA, Sept 2017.
- 2017** 2nd Annual Northeast Regional Vascular and Interventional Radiology Symposium
Rhode Island, Brown University School of Medicine, October 2017.
- 2017** 21st International Congress of Parkinson's Disease and Movement Disorders
Praachi Raje*, **Shen Ning***, Chantale Branson, Marie Saint-Hilare, Marcus Ponce de Leon, Anna DePold Hohler. "Exercise Trends Report in Parkinson's Patients." Poster presentation. Vancouver, BC, June 2017. (*co-first authors)
- 2017** Boston University School of Medicine Kase Symposium
Praachi Raje, **Shen Ning**, Chantale Branson, Marie Saint-Hilare, Marcus Ponce de Leon, Anna DePold Hohler. "Exercise Trends Report in Parkinson's Patients." Poster presentation, Boston, MA, May 2017.
- 2013** Progeria Research Foundation Conference
Chin Yee Ho, Philipp Isermann, **Shen Ning**, Valerie Verstraeten, Yu Guo, Haiyuan Yu, Francis Collins, and Jan Lammerding. "Vascular smooth muscle cell dysfunction in Hutchinson-Gilford progeria syndrome". Poster presentation. Bethesda, MD, April 2013.

JOURNAL REVIEWER

Advanced Functional Materials
Tissue Engineering and Regenerative Medicine
Frontiers in Neurology

PROFESSIONAL SOCIETIES

Society of Interventional Radiology	2022-Present
Tri-alpha National Honors Society	2021 inductee
The Society for Neuroscience	2018-2023
American Medical Association Member	2015-Present
Massachusetts Medical Society	2015-Present

LEADERSHIP AND INNOVATION

- June 2023** Merck KGaA Innovation Cup Seeheim, Germany
Innovation consultant – alumni coach
 - Selected innovation coach for Team Neuromorphic Computing (top 7 applications from an international cohort of applicants)
 - Successfully lead an international team of PhD students, postdoctoral fellows, and research scientists to present an innovative idea to the Merck KGaA leadership team
- 2021-Present** INIA Biosciences Boston, MA
Co-founder, CEO (iniabiosciences.com)
 - Non-invasive wearable ultrasound medical device to modulate the immune system

- Winner and finalist at competitive pitch competitions and accelerator programs locally and internationally:
 - MassChallenge 2021, TechStars, Hello Tomorrow Deep Tech Innovator, Imagine If Global Accelerator (Oxford local winner), MIT IDEA² 2021 cohort, MIT 100K Competition semifinalist, MIT Sloan Healthcare Innovations Prize finalist, MIT Sandbox, Antler Global Accelerator (runner-up), Nucleate Semifinalist,
 - Creative Destruction Labs 2023 cohort
 - Rice Business Plan Competition Finalist (first time in the last 5+ years for a BU student to be selected in the biotech/medtech sector at this highly selective competition)
 - BU New Venture Competition 3rd place,
 - ASUio \$100k
 - TiE Boston winner
 - Shortlisted for Forbes 30 under 30

2021-2022

Nucleate Boston, MA
Vice President of Expansion, Co-Managing Director of Nucleate Switzerland (nucleate.xyz)

- Nucleate is a free and collaborative non-profit organization that facilitates the formation of pioneering life sciences companies.
- Managed the expansion of Nucleate to 28 new cities nationally and internationally
- Facilitated the formation of the Nucleate Switzerland chapter and served as its founding managing director

2020-2022

Medical Innovation and Technology (MInT) Program Boston, MA
Founder, Co-director

- Founded new medical innovation program to bring BU student across campuses and departments to work together to address unmet clinical needs
- Raised \$13,000 to fund the program and winning teams at three prize levels
- Featured in *The Brink*, *BU Today*, and others, acquired by Nucleate

2019-2022

Science Rehashed Inc. Boston, MA
Co-founder, co-host, and co-director (sciencerehashed.com)

- Co-founded a non-profit media/podcast company aimed to bring recent groundbreaking scientific discoveries to scientists and science enthusiasts across the globe for free
- Recognized as a top podcast in the life sciences by Apple podcast, won the 2020 Life Science Non-profit pitch, featured in *BU Today*, *BostonInno*, *MGH Benchpress*, *Harvard Gazette*
- Hosted world-renowned scientists including *George Church*, *Bob Langer*, and *Nobel Laureates*
- Invited speaker at the IDEA Conference

2018-2019

New England Graduate Women in Science and Engineering (NE GWISE) Boston, MA
Co-Chair, Advocacy Chair, Invited Speaker

- Invited speaker and moderator for the 2023 Spring to Action forum
- Led the largest student-run women professional group in New England and organized annual retreat and Spring to Action forum to tackling gender issues in academia

2018-2019

Boston University Neuroscience Graduate Student Organization Boston, MA
Professional Development Chair

- Organized professional development events to expose Neuroscience graduate students to different career options
- Received competitive grant to fund an interdisciplinary event, the NeuroArts Forum, a collaboration between the Neuroscience department and student organizations to bring in guest speakers to speak about the intersection of neuroscience and the arts

2018-2019

Boston University Graduate Women in Science and Engineering (BU GWISE) Boston, MA
Professional Development Co-Chair

- Hosted the largest graduate student-organized event featuring women leaders in science and engineering

- Collaborated with the BU Provost office to develop new professional development programs for graduate students
- 2016-2017** Boston University Alzheimer's Disease Center Ambassador Program Boston, MA
Ambassador
- Engaged in Alzheimer's Disease Center hosted scientific conferences and Alzheimer's outreach and advocacy events
 - Served as a peer mentor for undergraduates and medical students interested in medicine and neurology, respectively
- 2011-2014** Cornell Undergraduate Research Board Ithaca, NY
Event Coordinator for Fall Events, Peer Mentorship Program Coordinator
- Organized Cornell's largest research poster forum to encourage undergraduates to showcase and discuss their research projects

MENTORSHIP EXPERIENCE

- 2023** Sruthi Srinivasan - PhD student at the University of Cambridge
- 2019-2021** Trey Moore - undergraduate student at Boston University completed his senior thesis with honors
- 2018-2020** Rebecca Soilson - undergraduate student at Harvard University completed her senior thesis with honors
- 2019** Sofia Nastri- undergraduate student at Boston University
- 2016** Kira Brenner - undergraduate student at Harvard University, graduated with honors for her thesis

ADDITIONAL INTERESTS

- 2015-Present** Harvard and MIT Ballroom Dance Teams Boston, MA
Competitor at the highest level, Competition Committee Logistics Chair, Dance Instructor
- 2021 Eastern United States Dancesport Championships Standard Rising Star 1st place (current national rank for amateur ballroom)
 - 2021 Eastern United States Dancesport Championships Standard Amateur 2nd place
 - 2019 Harvard Invitational Championship Standard 3rd place
 - 2018 Harvard Invitational Pre-championship Standard 1st place
 - 2018 Harvard Invitational Championship Standard 2nd place
 - 20th CBDF Academy Cup Ballroom Dance Competition team match (Beijing, China) 3rd place
 - 2018 Boston University Open Standard Championship 1st place
 - 2018 La Classique Du Quebec (Montreal, Canada) Amateur Championship 3rd place
 - 2017 Tufts University Open Standard Championship 1st place
 - 2017 Brown University Open 2nd Place
- 2015-2019** Boston University School of Medicine Vagina Monologues Boston, MA
Co-director, performer
- Directed two successful Vagina Monologues shows
 - Raised over \$4,000 annually through the Vagina Monologues show. All proceeds were donated to the Boston Medical Center Domestic Violence Program and local non-profit organizations
- 2016-2017** Boston University School of Medicine Bridge Clinic Boston, MA
Internal Administrator, Clinic Development team, Physician Liaison, Founding team member
- Initiated a student-run clinic at local public housing complexes for the elderly population
 - Design and conduct educational and conversational workshops on a variety of health topics, including diabetes, cardiovascular disease, chronic pain, etc.
 - Work with residents and physicians to conduct basic health screenings and provide medical education
 - Collaborate with a newly initiated team-based model at local community health centers

2016-2017

Project MedImpact

Boston, MA

Curriculum Development Team and Teacher

- Developed science-based workshops and lessons to encourage STEM interest in middle school children
- Improve curriculum to foster more hands-on teaching and public health applications
- Taught lesson materials with clarity while fostering scientific curiosity

TECHNICAL

CODE Python, MATLAB, LaTeX

DESIGN CAD, Adobe Illustrator