Jonathan S. Lee

EDUCATION

Brown University **Providence, RI**
Sc.B. in Applied Mathematics and Computer Science Anticipated Graduation: May 2021
- GPA: 4.0/4.0 || MCAT: 528/528 (100 percentile)
- Past Courses: Statistical Inferences I, Multivariable Calculus, Linear Algebra, Introductory Computer Science, Partial Differential Equations, Ordinary Differential Equations, Dynamics and Vibrations, Orgo I and II, Biochemistry
- Current Year Courses: Artificial Intelligence, Deep Learning, Numerical Optimization, Computational Statistics, Intro to Discrete Structures and Probability, Introduction to Software Engineering, Machine Learning

Phillips Exeter Academy **Exeter, NH**
Graduated with Highest Honors Graduation: June 2017
- SAT: 2400/2400 (M: 800, W: 800, R: 800)
- Cum Laude, Presidential Scholar Finalist, National Merit Finalist, AP Scholar with Honors, Varsity Water Polo

WORK EXPERIENCE

Teaching Assistant at Brown University **Providence, RI**
Introduction to Chemistry, General Chemistry, and Multivariable Calculus Fall 2018 – Present
- Develop lesson plan and teach weekly recitations for multivariable calculus
- Assist professor with weekly problem sessions for chemistry

Barrow Brain and Spine **Phoenix, AZ**
Clinical Research Assistant Summer 2019
- Assisted writing clinical papers, analyzing data sets, and reviewing patient charts for neurosurgery
- Catapano, J. S., **Lee, J. S.***, Koester, S. W.*, Wang, D., Lang, M., Fredrickson, V., Cavalcanti, D., Lawton, M. T., Ducruet, A. F., Albuquerque, F. C. (2019) "Digital subtraction cerebral angiography after negative computed tomography angiography findings in nontraumatic subarachnoid hemorrhage" (Recently Submitted)
  *These authors contribute equally

Tripathi Lab at Brown University **Providence, RI**
Undergraduate Research Assistant Fall 2017 – Spring 2019
- Researching a novel Ultra-Fast RNA Detection protocol
- Developed a microfluidic next-generational DNA sequencing library preparation device
- Awarded two Karen T. Romer Undergraduate Teaching and Research Awards for Summer 2018 and Spring 2019

Center for Stem Cell Therapeutics and Imaging at Harvard University **Boston, MA**
Research Intern Summer 2017
- Explored methods to enhance CAR T-Cell recruitment through use of engineered cytokine secreting stem cells
- Presented new experiment findings at monthly lab meetings

LEADERSHIP & COMMUNITY ENGAGEMENT EXPERIENCE

Brown Biotech Investment Group Executive Board **Providence, RI**
Chief Scientific Officer and Large Cap Pharmaceuticals Vertical Head Spring 2017 - Present
- Research the technology behind potential investments for the investment group
- Attend Executive Board meetings to help plan and direct upcoming meetings and events
- Pitch potential investments once a month, researching fundamentals, leadership, and technology
- Lead weekly discussions with 6 analysts about news in the large cap pharma space to update current investment spread

Brown University Relay for Life Executive Board **Providence, RI**
Co-Chairperson Fall 2018 – Present
- Co-founded the first Relay for Life event at Brown University in four years
- Manages a team of undergraduates to plan the fundraising event

Rhode Island Hospital Volunteer **Providence, RI**
Patient Visiting and Therapeutic Music Fall 2017 - Spring 2019
- Spend three hours every week visiting long-term hospital patients to keep them company
- Every month, spend an hour singing, playing the piano, or playing the violin in the cancer ward

SKILLS & INTERESTS

Technical Skills: Java, Python, and MATLAB
Interests: Singing, Acapella, Mixed Martial Arts, Chinese (Mandarin), Violin, and Water Polo