

Jonathan S. Lee

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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-generation 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