

DANIEL RITTER

daniel_ritter@brown.edu | 214-226-4980

School Address: Brown University 69 Brown St. Mail# 7582 Providence RI 02912

Permanent Address: 701 E. Bethel School Rd. Coppell Texas 75019.

EDUCATION

Brown University

May, 2021(anticipated) Bachelor of Science in Computer Science, Bachelor of Arts in Political Science

- Cumulative GPA: 4.0
- Current Coursework: Machine Learning, Discrete Mathematics, Cybersecurity and International Relations, Introduction to The American Political Process
- Prior Coursework: Data Structures and Algorithms, Object-Oriented Programming, Multivariable Calculus, Linear Algebra, Systems Programming, Statistics and Probability

WORK EXPERIENCE

Texas Digestive Disease Consultants | Dallas, TX | May 2018 – August 2018

Publications Assistant May 2018 – August 2018

- Created financial templates based on clinical drug trial protocols and agreements, used later to request payments from pharmaceutical companies.
- Assisted in data entry and collection for both internal practice research projects and research projects funded/run by pharmaceutical companies, and in generating publications for presentation at various national and international gastrointestinal medical conferences.
- Publications: Fatty Pancreas as A Reversible Cause of Exocrine Pancreatic Insufficiency – 2018 ACG Conference, Philadelphia, PA – Dustin Kiker, MD, Tim Ritter, MD, Chris Fourment, MD, Bitaal Sadiq, BS, Daniel Ritter

Collegiate Endeavors Educational Consulting | Plano, TX | June 2018 – August 2018

SAT Tutor June 2018 – August 2018

- Individually tutored Sophomore through Senior high school students to prepare them for the SAT, and proctored and graded SAT practice tests to provide baseline scores and measures of improvement for the Collegiate Endeavors test prep program.

RESEARCH EXPERIENCE

Brown University | September 2018 - Present

Starcraft II ExAI Project September, 2018-Present

- Working as part of the DARPA ExAI project to design a reinforcement learning agent capable of playing the RTS game Starcraft II
- Assisted in designing and implementing a multithreaded, distributed A3C Actor-Critic system which has already achieved human-comparable scores on several Starcraft II mini-games

Joy for All Companion Pet Project September, 2018-Present

- Assisting in improving the capabilities of Hasbro's Joy for All robotic companion pets, using deep learning object recognition and computer vision mapping software
- Transferred all software onto a raspberry pi, troubleshooting Unix and ROS issues and dealing with limited processing power and memory

OTHER EXPERIENCE/ACHIEVEMENTS

Eagle Scout July, 2016, Troop 840, Coppell, Tx

- Organized and led the installation of several benches next to the carpool loop of a local middle school as part of my Eagle Project.

SKILLS & INTERESTS

- Fluent in Java, C, Python, and principles of object oriented programming
- Comfortable with Javascript, HTML, CSS, Pytorch, ROS, and UNIX systems
- Jazz and classical piano