REHAN CHINOY

rehanbchinoy@gmail.com

EDUCATION

University of California, Los Angeles *September 2018 - June 2022 (expected)*
B.S. Applied Mathematics, Neuroscience Minor GPA: 3.9 ACT: 36/36

EXPERIENCE

Buonomano Lab, UCLA October 2019 - present
Undergraduate Research Scholarship Recipient

- Modeling cortical dynamics with a biologically inspired recurrent neural network designed in Python using the TensorFlow library
- Training RNN model on timing and working memory tasks using UCLA's high-performance computing cluster
- Using MATLAB to analyze dynamics of trained networks and generate data-driven arguments on the neural representations of timing and working memory

Masmanidis Lab, UCLA September 2021 - present
Undergraduate Research Assistant

- Modeling cortico-striatal circuits using a multi-RNN model with biologically inspired architecture

Callaway Lab, Salk Institute for Biological Studies June 2017 - August 2017
Research Scholar

- Selected by the Callaway Lab for a project focused on mapping neuronal projections between the primary visual cortex (V1) and higher visual areas (V2, V3, etc.) using microscopy and neuroimaging
- Gathered data vital to the eventual publication of a paper and presented my work to professors and Salk donors at the Symphony at Salk

EXTRA-CURRICULAR

Bruin Consulting October 2019 - present
Senior Advisor

- One of 5 students selected from a pool of over 300 applicants following a rigorous series of case interviews
- Worked with a Y-Combinator funded software security startup to expand market segment
- Worked with Reddit to refine their ad-model for mid-market companies
- Working with Nvidia to incentive their partners to use Nvidia's full-stack for cloud computing

RELEVANT COURSEWORK AND TECHNICAL SKILLS

- Mathematics: Machine Learning, Mathematical Modeling, Optimization, Differential Equations, Probability and Statistics, Applied Numerical Methods, Discrete Mathematics, Real Analysis
- Neuroscience: Computational Neuroscience (UW x Coursera), Cell and Systems Neuroscience, Molecular and Developmental Neuroscience, Behavioral and Cognitive Neuroscience, Biotechnology Methods in Neuroscience
- Programming Languages: Python (proficient), MATLAB (proficient), C (intermediate), C++ (intermediate)
- Tools/Technologies: TensorFlow, Jupyter, Conda, AWS/GCP, Git, Linux command line