Aneesh Kashalikar

Personal Data

Location: Boston, MA, USA
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website: Portfolio
projects: Design for San Diego

Experience

August 2020 - | Undergraduate Researcher at Paninski Lab, Columbia University

Designing and Developing Coupled Switching Linear Dynamical Systems for modeling non-stationary interactions between multiple neural populations. Abstract accepted to COSYNE, a computational and systems neuroscience conference. I am supervised by post docs Josh Glaser and Matt Whiteway in professor Liam Paninski's lab

September 2019 - | Undergraduate Researcher at Kriegeskorte Lab, Columbia University

Designing and Developing Recurrent Convolutional Neural Network Architectures for Multiple Object Tracking in Computational Neuroscience. I am supervised by post doc Benjamin Peters in professor Nikolaus Kriegeskorte's lab

September 2020 - | Undergraduate Researcher at Center for Computational Neuroscience, Flatiron Institute

Designing and Developing a Biologically Realistic Neural Network architecture for Linear Discriminant Analysis. I am supervised by Research Scientist David Lipshutz in professor Dmitri Chklovskii's Lab

Jan-Aug 2019 | Undergraduate Researcher at UC San Diego Design Lab

I was the lead developer for Design for San Diego(D4SD), a civic design challenge led by professor Steven Dow for participants in the city of San Diego. Design For San Diego

I researched on online forum discussions centered around data visualizations and how the presence of a data visualization impacted the content found in discussions.

Summer 2018 | Software Engineer at Jobiak AI

Jobiak is an Ai-based Job Recruitment Startup that simplifies posting to Google for Jobs by using advanced machine learning tools. I was an early employee for Jobiak, helping prototype their initial job posting user interface. It has raised a seed round of 2.3M USD.

Summer 2017 and 2018 | Software Engineer Intern at IBM

I developed a natural language query for business users that allowed them to learn about their data through entering questions in English..

I developed a data visualization library to interface with an automated data narratives library, a tool which automatically analyzed and generated reports in English on data.

I created a prototype for a UI targeted to business users to define non trivial data validation/classification logic. This allowed business users to generate codes to handle data.

Education

May 2021	Bachelor of Arts, **New York University** Major: Computer Science
Relevant Courses:	
Computer Science:	Data Science for Health, Computational Linguistics, Theory of Computation Algorithms, Parallel Computing, Operating Systems, Data Structures
Mathematics	Linear Algebra, Multivariate Calculus, Discrete Math
Neuroscience/	Computational Neurobiology, Cellular Neurobiology
Psychology:	Cognitive Science, Psychology

Abstracts

2021	**Kashalikar, A***, Glaser JI*, Whiteway MR*, Paninski L. *"*Coupled State Space Models of Multi-Population Recordings*"* *Computational and Systems Neuroscience*

Languages

Native:	English
Professionally Proficient:	German, Spanish

Quantitative Skills

Programming Languages:	Python, R, JavaScript, C/C++, Swift, Java, SQL
Frameworks/Libraries:	React, Redux, NodeJS, Pytorch, Tensorflow, Jax, Git, Unix
Mathematics/ML :	Statistical machine learning, Deep Learning, State Space Models Bayesian Inference, Reinforcement Learning