

Tanveer Mittal

MACHINE LEARNING ENTHUSIAST & DATA SCIENCE STUDENT

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Education

University of California: San Diego

La Jolla, CA

BACHELOR OF SCIENCE IN DATA SCIENCE, GPA: 3.5/4.0

Sep. 2018 - PRESENT

- Expected Graduation in 2022
- **Coursework:** Statistics and Table Operations, Data Structures I & II, Natural Language Processing, Multivariable Calculus, Linear Algebra

Coursera

- **Deep Learning Specialization:** Neural Networks and Deep Learning, Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization, Structuring ML Projects, Convolutional Neural Networks, and Sequence Models

Skills

Languages Python, SQL, Java, RegEx

Frameworks Keras, Tensorflow, Pandas, Numpy, Matplotlib

Experience

iDTech Camps

Lisle, IL

MACHINE LEARNING INSTRUCTOR

June 2019 - Aug. 2019

- Taught machine learning and python programming to 50+ high school students using Keras, Tensorflow, Numpy, and Matplotlib
- Managed student behavior, safety, and other camp logistics

UC San Diego Health Department of Medicine

La Jolla, CA

DATA PROGRAMMER

March 2019 - June 2019

- Wrote T-SQL procedures to migrate data from central data warehouse to department's personal SQL server
- Performed scripting projects for fuzzy logic algorithms and python to SQL integration

Swarm Robotix

Naperville, IL

SOFTWARE ENGINEERING INTERN

May 2018 - July 2018

- Developed an interface to control a swerve drive mechanism using self-derived inverse kinematics and odometry equations
- Designed and benchmarked computer vision and machine learning solutions to locate objects
- Implemented a Kalman filter for odometry, stereo camera, and lidar data
- Headed documentation for the drive train and computer vision teams

iManage

Chicago, IL

R&D INTERN

June 2017 - Aug. 2017

- Designed and implemented test cases with Jenkins for a product known as Go!Drive
- Assisted in the process of porting Go!Drive file system interactions for the Mac Operating System
- Supplemented natural language processing research and data collection for the Labs teams

Extracurriculars

Data Science Student Society @ UCSD

La Jolla, CA

EVENT PLANNING COMMITTEE

May 2019 - PRESENT

- Contacting companies for on-campus events for the data science community
- Plan and carry out logistics for data science related events throughout the school year

Projects

Microsoft Pet Breed Classification Challenge

- Built and trained ensemble machine learning models to classify images of 40 distinct pet breeds in an 8 hour time limit
- Achieved approximately 90% test accuracy on Kaggle leaderboard and placed 4th at the 2019 UCSD Datathon

UCSD Clustering

- Wrangled and filtered a dataset of landmarks on UCSD campus using the Google Maps API
- Implemented an unsupervised k-means clustering algorithm to identify UCSD's 6 residential colleges