

Tanveer Mittal

MACHINE LEARNING ENTHUSIAST & DATA SCIENCE STUDENT

📞 (630) 640-5246 | ✉ tamittal@ucsd.edu | 🌐 TanveerMittal | in Tanveer Mittal

Education

University of California: San Diego

[La Jolla, CA](#)

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

Sep. 2018 - May 2022

- **Coursework:** Statistics and Table Operations, Data Structures I & II, Natural Language Processing, Multivariable Calculus, Linear Algebra
- Volunteered as data science student representative to speak to incoming data science students and answer questions

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, Pytorch, Pandas, Matplotlib, Seaborn

Experience

iDTech Camps

[Lisle, IL](#)

MACHINE LEARNING INSTRUCTOR

June 2019 - Aug. 2019

- Taught deep learning and python programming to 50+ high school students using Keras, Tensorflow, and OpenAI Gym
- Managed student behavior, administered safety procedures, and planned 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, data manipulation, and python to SQL integration

Swarm Robotix

[Naperville, IL](#)

SOFTWARE ENGINEERING INTERN

May 2018 - July 2018

- Developed and benchmarked computer vision and deep learning solutions for image segmentation
- Collaborated to create a custom motion planning interface to control and locate a swerve drive mechanism
- Headed documentation efforts 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