SEAN JIN

SUMMARY

Determined Intern working with AI, Machine Learning, and Statistics for the past 2 years. Demonstrated talent and interest in Product Development, Machine Learning, and Statistics in the construction, finance, sports, and video game industry. Skilled in multi-tasking and understanding design and bigger scope of the use cases and user stories.

EDUCATION

Bachelor of Science, **Statistics & Machine Learning**, **Expected in 12/2020**
Carnegie Mellon University - Pittsburgh, PA
Additional Major in Cognitive Science | GPA: 3.24

WORK EXPERIENCE

AI Integrations & Development Intern, 06/2020 to 08/2020
Cortex-Vertical Inc. - Englewood Cliffs, NJ
Created Azure custom models to tag photos of NBA players as metadata
Integrated ffmpeg to divide the video into several jpg images for the model to read for preprocessing
Initiated POC development between Cortex-Vertical Inc and Monster Energy for joint project on integrating Azure into Open Text Media Management
Developed several UML Diagrams that showcased development of the project for the next 3 months

Sports Capstone, 01/2020 to 05/2020
Carnegie Mellon Softball Team - Pittsburgh, PA
Cleaned 1000+ NCAA Division 3 Softball Games of data into an R-shiny app
Derived probabilities of bunting and stealing for any state of the game
Developed text analysis that analyzes 600,000+ different play-by-play data
Created user friendly interface with R-shiny that easily projected the information needed by the coach

10-716 Teacher Assistant, 02/2020 to 05/2020
Machine Learning Department - Pittsburgh, PA

Machine Learning Research Assistant, 11/2019 to 03/2020
AiPEX Lab - Pittsburgh, PA
Utilized parallel Q-Learning using multiprocessing reduced learning rate by 50%
Implemented multi-armed bandit to navigate randomized location of a goal

Data Science/Full Stack Intern, 06/2019 to 09/2019
CertAInBuild - Remote
Developed a Web App that displays costs of buildings through Google Maps
Utilized Sklearn and SQL Alchemy to create prediction for building costs for data
Incorporated HTML, CSS, and bootstrap to create the interface of the MVP
Pushed Flask into the website development and login structure of the app

Teacher Assistant, 06/2016 to 08/2018
M.E.K Review - Palisades Park, NJ
Taught other Teacher Assistants to be efficient, resulted in 30% in workflow
Developed habits and improved grading efficiency and accuracy by 20%

CONTACT

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https://github.com/seanjincmu/myprojects
https://seandjin.com/
https://www.linkedin.com/in/sean-d-jin/

PROJECTS

Estimated Taxi Travel Time | Fall 2019
Extracted new features based on Taxi-Zone location within New York City
Utilized Neural Networks to compare it to other algorithms through Sklearn
Reduced RMSE by 99% from simple linear regression to XGBoost in prediction

Gotta Graph Them All | Fall 2019
Implemented PCA to differentiate types of Pokémon based on base stats using kernlab
Extracted Pokémon base stats to see the distributions between each of Pokémon
Produced graphics that display different attributes of the Pokémon Kaggle using ggplot

PVP Platform | Spring 2018
Created enemies that had different mechanics to be an obstacle for a PvP game
Implemented 4 different classes that have different skills and attributes
Created interface for players to interact with using tkinter

League of Legends eSports: NA Challenger | Fall 2017
Utilized Massey and Colley methods to visualize ranking results of all teams
Collected data that portrays kill-death ratio and win-loss ratio by accumulating matches

CERTIFICATIONS

JPMorgan Software Engineering Virtual Experience
KPMG Data Analytics Consulting Virtual Internship

SKILLS

Python: Proficient - **R**: Intermdiate - **SQL**: Intermdiate
Java: Intermediate - **C**: Intermediate - **SML**: Intermediate

EXTRA CURRICULARS

CMU Powerlifting Club: Founder, State Champion
Central Church: Discipleship Group Leader
Lunar Gala: Model