Ruiding Feng

Pipeline TD || FX / Technical Artist

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EDUCATION

09.2021- 08.2023

Boston University

Math & CS (BA)

Related Coursework: Python, Java, C++, Data Science, Probability, Stochastic Process, etc.

09.2023- 06.2025

Savannah College of Art and Design

Visual Effect (MA)

Related Coursework: Visual Effects, FX, 3Dmodeling, Compositing, Lighting and Rendering, etc.

SKILL

VFX Software

Houdini, Nuke, Maya, Unreal Engine, Zbrush.

Technical Skill

FX Simulation, Lighting, Compositing, Machine Learning, 3D modeling, Sculpting, Tool/Scripts.

Programming

Vex, Python, Java, C++.

Render

Karma, Mantra, Redshift, Arnold.

Software

Photoshop, DaVinci Resolve, After Effects.

Language

English, Mandarin.

EXPERIENCE

Research Experience

Project Title: Using Machine Learning Technology to Predict Stock Trends

Duration: 06.01.2020 - 09.01.2020

Supervisor: Hayward Xie, Ph.D.

Project Description:

Guided by my professor, I learned various mathematical models and broader applications of deep learning and machine learning. Using TFIDF and Bayesian analysis, I built models to predict stock performance by analyzing the frequency of words in news articles. After testing, the accuracy rate of the model reached 73%.

Project Title: Patent-Based Firm Performance Prediction

Duration: 12.01.2021 - 01.31.2022

Supervisor: Zhaogi Chen, Ph.D.

Project Description:

For this project, I collected and processed patent data from the USPTO (United States Patent and Trademark Office) website using SQL and Python NLTK. I performed topic modeling on the patent corpus using TF-IDF and LDA to extract key textual features. I then designed and trained a Naive Bayes model using machine learning tools such as scikit-learn, achieving 85% accuracy in predicting firm performance.

Internship Experience

Company: Sangfor Tech

Duration: 06.01.2020 - 09.01.2020

Position: Intern, Analyst

Project Description:

I was responsible for identifying new sales opportunities by analyzing customer transaction records from 2010 to 2019. I segmented customers based on transaction amounts and service needs, creating detailed customer profiles. By analyzing customer transaction data, I helped the sales team identify potential opportunities and created more precise customer profiles, ultimately enhancing the sales strategy.