RANDY IP

Back-end and Machine Learning Engineer

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RELEVANT EXPERIENCE

Back-end and Machine Learning Engineer (MLOps) · Sirch   📅 2023 ▸ Now

Built end-to-end machine learning projects:

- Created search functions using PineCone.io, TensorFlow Text Vectorization and Beautiful Soup.
- Built an auto complete feature which uses a sequential neural network and XG boost.
- Developed data privacy features on the back end.

Machine Learning Engineer Intern · Ethereum Foundation   📅 August 2021 ▸ June 2022

Predicted fraud using time-series machine learning models:

- Led a team in utilizing time series machine learning models that detected 80% of fraudulent transactions, which is projected to extend the longevity of Ethereum.
- Cleaned data and used ETL techniques to ensure quality results from machine learning models.
- Wrote SQL queries to create a data pipeline and retrieve data from relational databases.
- Statistically modeled variables to predict behaviors and detect patterns.
- Visualized and presented findings to Barnabe Monnot.

Quality Assurance · Googain   📅 March 2015 ▸ March 2018

Analyzed mortgage data to ensure compliance:

- Compiled data for DTI (debt to income ratio), credit reports, and fraud which saved millions of dollars for the company by keeping in compliance with Fannie Mae and Freddie Mac.
- Communicated regularly with the federal mortgage companies, Fannie Mae and Freddie Mac.
- Presented data in live conferences with Fannie Mae and Freddie Mac.

SKILLS

Programming/Cloud	Machine Learning	Other Technologies
JavaScripts, Python, Node, Express, React/Redux, CSS, HTML, TypeScript, SQL, MongoDB, RESTful API, JSON, AWS, Azure	TensorFlow, Pytorch, Classification, Regression, Data Cleansing, Neural Networks, NLP, LLM, Computer Vision, Time Series, XG Boost	GitHub, Git, Agile, Docker, Sockets, Postman, Scrum, Npm, Vim, Webpack, PineCone

EDUCATION

Advanced SWE Certificate   *Hack Reactor*   📅 Dec 2022
M.S. Statistics   *San Jose State University*   📅 Dec 2021
B.A. Economics   *University of California Davis*   📅 May 2015