

RANDY IP

Software/Machine Learning Engineer

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RELEVANT EXPERIENCE

Machine Learning Engineer · Sirch

📅 2023 ▶ Now

Built end-to-end machine learning projects:

- Created search functions using Pinecone.io, TensorFlow Text Vectorization and Beautiful Soup.
- Performed SVM classifications on groups of people supported by unsupervised learning for data analysis and random forest for feature selection.
- Worked on the front-end as well as the back-end though to a lesser extent.

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 resulted in an overall increase in revenue.
- 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

JavaScripts, Python, Node, Express, React/Redux, CSS, HTML, TypeScript, SQL, MongoDB, RESTful API, JSON, AWS, Azure

Machine Learning

TensorFlow, Pytorch, Classification, Regression, Data Cleansing, Neural Networks, NLP, LLM, Computer Vision, Time Series

Other Technologies

GitHub, Git, Agile, Docker, Sockets, Postman, Scrum, Npm, Vim, Webpack

EDUCATION

Advanced SWE Certificate *Hack Reactor*

📅 Dec 2022

M.S. Statistics *San Jose State University*

📅 Dec 2021

B.A. Economics *U.C. Davis*

📅 May 2015