

Huy Ho

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EDUCATION

- **University of California, Berkeley** *December 2022*
Bachelor of Arts: Data Science and Statistics
Relevant Coursework:
Principles and Techniques of Data Science, Data Structures, Algorithms, Databases, Artificial Intelligence, Machine Learning, Data Engineering, Data Inferences and Decisions, Statistics, Probability, Econometrics, Macro/Microeconomics, Business Analytics, Linear Algebra, Web Design, Corporate Finance, Operations Management

SKILLS AND TECHNOLOGICAL TOOLS

- Languages: Python, Java, R, SQL, HTML, CSS, JavaScript
- Libraries: NumPy, Pandas, FastAPI, Tensorflow, Keras, Scikit-Learn, SparklyR, Flask, SciPy, Matplotlib
- Others: Apache Spark, AWS, H2O AI, Hadoop, Docker, Tableau, Git, Regex, Jenkins

EXPERIENCES

- **Cisco Systems – Data Scientist** *Jan 2023 – Present*
 - New Grad Data Scientist at Cisco Systems.
- **DataGood at Berkeley – Project Manager, Logistics Lead, and Marketing Lead** *Sep 2020 – Dec 2022*
 - Led a team of 8 students to help external clients to find insights and solutions using computer science, data science, and machine learning techniques. Previous clients included: UC Berkeley, CIEE, and CalSafe.
 - Mentored freshmen and sophomore students, taught fundamental computer and data science skills such as Git, SQL, Pandas, and relevant libraries.
 - Served as a point of communication for the organization, managed the club's logistics, and created infographics for marketing purposes.
- **IDEXX Laboratories – Data Science Intern** *May 2022 – Aug 2022*
 - Investigated a potential data leakage issue with the company's machine learning pipeline using Spark and SQL.
 - Built a classifier with an accuracy of 92% to classify transaction items using feature engineering, natural language processing, H2O AI, and deployed it into the company's latest ontology version.
 - Wrote R and Spark scripts to help wrangle data, automate processes, and improve general workflows.
- **UC Berkeley Laboratory – Research Intern** *Sep 2021 – May 2022*
 - Conducted research in machine learning (DE-TR) in collaboration with US Army Research Laboratory.
 - Researched the ethical implications of facial recognition and created weekly reports.
- **Nozomi Networks – Data Engineer Intern** *May 2021 – Aug 2021*
 - Researched and experimented with statistical, supervised, and unsupervised machine learning techniques for time-series data using statsmodels and scikit-learn libraries (decision trees, regressions, and one-hot encoding).
 - Developed neural network models to forecast time-series data using Keras, TensorFlow, and an ensemble classifier to detect anomalies with a 95% accuracy.

PROJECTS

- **Stock Market Forecasting Analysis – Python, Pandas, Keras, TensorFlow, Statsmodels**
 - Used Yahoo Finance API to analyzed stock data such as P/E ratio, dividends, market capitalization, etc.
 - Implemented custom LSTM, CNN, and ARIMA models to test different approaches toward time-series forecasting and used them to predict other stocks.
- **Git Clone – Java**
 - Implemented a clone version of Git with command line features such as init, add, commit, etc.
 - Designed the internal structures using serialization, object-oriented programming, and various data structures.