ATTICUS HAWTHORN

Machine Learning Architect

a.hawthorn@email.com
(123) 456-7890
Santa Monica, CA
LinkedIn

EDUCATION

Bachelor of Science
Computer Science
University of California
2013 - 2017
San Diego, CA

SKILLS

- Pandas
- Featuretools
- TensorFlow
- K-Means
- NLTK
- OpenCV
- Keras
- GridSearchCV
- Flask
- FairML

WORK EXPERIENCE

Machine Learning Architect

Hulu

2019 - current Santa Monica, CA

- Implemented an OpenCV-powered video analysis tool that reduced content classification time by 2.6 hours, enhancing content discovery features.
- Devised a GridSearchCV framework to optimize hyperparameters, boosting model performance benchmarks by 12% for targeted advertising algorithms.
- Engineered a Flask-based REST API for an analytics dashboard, leading to a 27% increase in back-end efficiency and a 19% reduction in load times.
- Integration FairML principles into all machine learning projects, shrinking bias in **viewer prediction models by 43.8%.**

Junior Machine Learning Engineer

ServiceNow

2017 - 2019 San Diego, CA

- Co-developed a chatbot using natural language processing that lowered customer service response time by 1.7 hours.
- Trained a generative adversarial network (GAN) through TensorFlow to generate synthetic data for testing ServiceNow applications, cutting **testing costs by $7,284.**
- Developed a predictive maintenance model using Featuretools, resulting in a 23% decrease in unplanned downtime for the company's cloud infrastructure.
- Implemented a Keras-based anomaly detection system to monitor cloud services, slashing false positive alerts by 36% and improving response time to true incidents.

Machine Learning Intern

Illumina

2016 - 2017 San Diego, CA

- Automated the data cleaning process for next-generation sequencing (NGS) data sets, saving approximately 21 hours of manual work every month.
- Used K-Means clustering to process and categorize genomic sequences, resulting in a 32% faster identification of key genetic markers associated with rare diseases.
- Leveraged NLTK's sentiment analysis to analyze samples of patient feedback on testing kits, achieving a **34% improvement in recognizing customer satisfaction trends.**
- Perform exploratory data analysis using Pandas on 6.9 million genetic markers to find patterns that led to an 18% increase in detecting high-risk genetic profiles.