Alex House

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alexhouse.tech

Machine Learning Engineer

Streamlining and automating tasks and procedures to reduce cost and/or increase efficiency.

Developing smart and intuitive applications to ease the life of the end user while increasing efficiency.

Implementing unsupervised learning algorithms to increase productivity and provide new insights.

Learning new technologies and expanding upon already learned tools to further my capabilities and understanding.

PROFESSIONAL EXPERIENCE

Web and Android Application Development

MySocialReach, Remote Position, 2015 - Present

Began as a web development intern tasked with developing scripts to integrate the MySocialReach (MSR) app with various third-party APIs (e.g., Facebook). Currently aiding the development of the native Android mobile application.

- Delivered new data analytics for MSR clients using third-party APIs.
  - Integrated MSR backend with Facebook's API, using PHP, to allow clients to monitor user engagement with their business page.
- Implemented a third-party framework for user authentication within the Android app.

Skills

Decision Trees and Classifiers

Reinforcement Learning, Neural Networks, and Q-learning

PHP, JavaScript, Java, Python

Data Analysis and Visualization (Tableau, R, Weka)

Web Scraping and APIs

SQL/NoSQL Databases

JSON/XML/CSV

Project Management and Scheduling

Remote Teamwork (JIRA, Slack, GitHub, etc.)

Microsoft Office Suite (Excel, Project, Visio, etc)

Containerization Concepts (Docker) and Cloud Hosting Services (AWS)

Parallel Computing (Multi-processing/threading) and Decentralized Computing Concepts (Hadoop/Spark)

EDUCATION

Bachelor of Science, Computer Information Systems Towson University, Towson, MD