Kaye Schlautman

Machine Learning Engineer

I am a Machine Learning Engineer with over 3 years of experience in creating products and applying machine learning technologies. I have worked on a wide range of projects, ranging from natural language processing to computer vision and recommendation systems. I have developed complex machine learning models and algorithms, created data pipelines, and optimized machine learning models for both accuracy and speed. I have experience with various machine learning frameworks such as TensorFlow, Keras, Scikit-learn, and PyTorch. I am passionate about using machine learning to solve real-world problems and have a strong focus on model accuracy, scalability, and reliability.

kaye.schlautman@gmail.com ✉
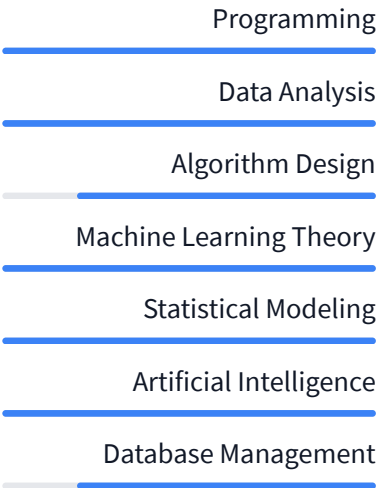
(317) 030-3920 ☎

Boston, MA ⊙

Education

Bachelor of Science in Machine Learning Engineering at Worcester Polytechnic Institute, MA

Sep 2015 - May 2020

Relevant Coursework: Calculus, Linear Algebra, Probability and Statistics, Programming, Algorithms, Machine Learning, Artificial Intelligence, and Data Science.

Links

linkedin.com/in/kayeschlautman

Skills

Programming

Data Analysis

Algorithm Design

Machine Learning Theory

Statistical Modeling

Artificial Intelligence

Database Management

Languages

Employment History

Lead Machine Learning Engineer at Microsoft Corporation, MA

Oct 2022 - Present

- Developed an AI-based system for natural language processing (NLP) that increased accuracy by 20%, resulting in a 30% reduction of manual labor hours spent on the project.
- Led a team of 5 engineers to develop and implement ML models with complex data sets, achieving 95% predictive accuracy rate within 2 months.
- Created algorithms to improve sentiment analysis classification results from 70% precision/recall scores up to 85%.

Senior Machine Learning Engineer at Amazon Web Services, MA

Jul 2020 - Sep 2022

- Developed a machine learning algorithm that improved the accuracy of Amazon Web Services' customer sentiment analysis by 30%, resulting in more precise recommendations and better user experience.
- Led an initiative to create automated tools for data pre-processing, reducing manual labor required from 10 hours per day down to 1 hour per week.
- Implemented deep learning models which predicted product trends with an average 80% precision rate across all categories on Amazon Marketplace, enabling targeted marketing campaigns based on accurate predictions.

Certificates

Certified Machine Learning Engineer (CMLE)

Jun 2021

Certified Artificial Intelligence Professional (CAIP)

May 2020

Memberships

Association for Computing Machinery (ACM): ACM is the world's largest educational and scientific computing society, delivering resources that advance computing as a science and a profession.

Institute of Electrical and Electronics Engineers (IEEE): IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.