

NATURAL LANGUAGE PROCESSING FOR ECOMMERCE



A. LOPATENKO, PhD
*Director of Engineering in Recruit
Institute of Technology*

Recruit Institute of Technology, USA
E-mail: andrei@recruit.ai

Abstract. Abstract: Understanding users' queries and documents describing merchandise are crucial for building eCommerce applications such as shopping search engines and recommendations systems.

Entity extraction, attribute extraction, semantic understanding and tagging, query expansion improves search quality, and help to improve conversation and revenue per session.

In this presentation key NLP technologies will be presented as they used in building eCommerce applications

Author. Andrei Lopatenko is a Director of Engineering in Recruit Institute of Technology of Recruit Holdings Co. He worked for Google where he was working on algorithms for web search, Apple Inc where he was a founding engineer for Apple Maps Search and developed search algorithms for Apple AppStore and iTunes, Walmartlabs where he led a team developing search algorithms. He obtained a PhD degree in

Computer Science from the University of Manchester, UK in 2007.

His areas of expertise are organization design, building teams, building mentorship networks, running cohesive high performance teams, performance management, scaling up organizations, deep learning, search relevance, learning to rank, data science.