

Saúl Vargas

Nationality: Spanish **Place of residence:** Tallinn (Estonia)

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🔗 Experience

Bolt (transportation network company)

Senior Data Scientist

August 2020 – Present

Tallinn, Estonia

ASOS.com (online fashion retailer)

Senior Machine Learning Scientist

March 2017 – December 2019

London, UK

- Increased customer engagement and revenue by developing personalised product ranking and recommendation algorithms.
- Lead initiatives to improve productivity by adopting modern tools and libraries (Python, TensorFlow, MLOps) and setting up an end-to-end, cross-functional teams made up of scientists and engineers.
- Others: contributed to the team roadmap, mentored and managed junior colleagues, promoted our work in external events.

Mendeley/Elsevier (world's largest scientific publisher)

Senior Data Scientist

November 2015 – February 2017

London, UK

- Ongoing optimisation of Mendeley's systems for research article management and exploration.
- Developed the first iteration of the current ScienceDirect's "related articles" functionality.

University of Glasgow

Research Assistant

January 2015 – November 2015

Glasgow, UK

- Postdoctoral position at the Information Retrieval research group, funded by the European Union.
- Research on social media analysis, sentiment detection and community tracking.

🎓 Education

UAM - Autonomous University of Madrid

PhD Computer Science

2012 – 2015

Madrid, Spain

- Dissertation: [Novelty and Diversity Evaluation and Enhancement in Recommender Systems](#).
- Highly cited, peer-reviewed publications in top conferences such as SIGIR, RecSys & WSDM.
- Developed [RankSys](#), a Java 8 Recommender Systems framework used in research labs around the globe.
- Research internships in University of Glasgow, Telefonica & Yahoo! Labs.

UAM - Autonomous University of Madrid

MSc Computer Science

2010 – 2012

Madrid, Spain

UAM - Autonomous University of Madrid

BSc Computer Science & BSc Mathematics

2005 – 2010

Madrid, Spain

🔍 Selected Publications (see full list [here](#))

Product characterisation towards personalisation

Cardoso, Daolio & Vargas, KDD'18

2018

Term-by-Term Query Auto-Completion for Mobile Search

Vargas, Blanco & Mika, WSDM'16

2016

Explicit relevance models in intent-oriented information retrieval diversification

Vargas, Castells & Vallet, SIGIR'12

2012

Rank and relevance in novelty and diversity metrics for recommender systems

Vargas & Castells, RecSys'11

2011

⚙️ Skills

Expertise Information Retrieval, Recommender Systems, Machine Learning, Software Engineering

Programming languages Python, Java, Scala, C

Tools & Technologies Spark, Tensorflow, Keras, fastAPI, Azure

Languages English, Spanish, German, Russian

Traits dedicated, passionate, curious, thoughtful