



5 Courses

**Introduction to  
Recommender Systems:  
Non-Personalized and  
Content-Based**

**Nearest Neighbor  
Collaborative Filtering**

**Recommender Systems:  
Evaluation and Metrics**

**Matrix Factorization and  
Advanced Techniques**

**Recommender Systems  
Capstone**



Sep 15, 2023

## GUUS JORIS BOUWENS

has successfully completed the online, non-credit Specialization

# Recommender Systems

In completing this Specialization in Recommender Systems, learners demonstrated competence in the design, implementation, and evaluation of recommender systems. They have shown the ability to work with a variety of recommendation algorithms, evaluate the appropriate algorithm for specific situations, and choose appropriate metrics to match user goals or business needs.

Joseph A. Konstan  
Distinguished McKnight  
Professor  
Distinguished University  
Teaching Professor  
Department of  
Computer Science and  
Engineering  
University of Minnesota

Assistant Professor,  
Boise State University  
Guest Instructor,  
University of Minnesota

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:

<https://coursera.org/verify/specialization/V9V7U6JZLR3Y>