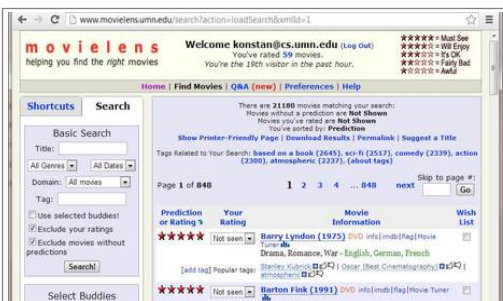


JANUARY 05, 2014

# Statement of Accomplishment

## NORBERT MADARÁSZ

HAS SUCCESSFULLY COMPLETED THE UNIVERSITY OF MINNESOTA'S ONLINE OFFERING OF



### Introduction to Recommender Systems

This graduate course covers a broad set of topics on recommender algorithms (non-personalized; content-based; user-user, item-item, and matrix-factorization collaborative), evaluation, data, and user experience and design. Distinction includes extensive programming.

DISTINGUISHED MCKNIGHT PROFESSOR AND  
DISTINGUISHED UNIVERSITY TEACHING PROFESSOR  
ASSOCIATE DEPARTMENT HEAD  
DEPARTMENT OF COMPUTER SCIENCE AND  
ENGINEERING  
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INSTRUCTOR

THE ONLINE OFFERING OF THIS CLASS DOES NOT REFLECT THE ENTIRE CURRICULUM OFFERED TO STUDENTS ENROLLED AT THE UNIVERSITY OF MINNESOTA. THIS STATEMENT DOES NOT AFFIRM THAT THIS STUDENT WAS ENROLLED AS A STUDENT AT THE UNIVERSITY OF MINNESOTA IN ANY WAY. IT DOES NOT CONFER A UNIVERSITY OF MINNESOTA GRADE; IT DOES NOT CONFER UNIVERSITY OF MINNESOTA CREDIT; IT DOES NOT CONFER A UNIVERSITY OF MINNESOTA DEGREE; AND IT DOES NOT VERIFY THE IDENTITY OF THE STUDENT.