YU LIANG

PHD CANDIDATE | SPOTIFY RESEARCH SCIENTIST INTERN

The Netherlands

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PROFESSIONAL EXPERIENCE

Spotify
Amsterdam, The Netherlands

HCI RESEARCH SCIENTIST INTERN
June. 2022 - Sept. 2022

- Research on users' interaction with Spotify Platform

Jheronimus Academy of Data Science (JADS)
Den Bosch, The Netherlands

PHD RESEARCHER
Mar. 2018 - Nov. 2022

- Research focused on recommender system from user-centered perspective (user-experience studies)

EDUCATION

Eindhoven University of Technology (TU/e)
Eindhoven, The Netherlands

PH.D. IN HUMAN TECHNOLOGY INTERACTION
Mar. 2018 - Nov. 2022

Supervisors: Dr. Martijn C. Willemsen and Prof. Chris Snijders

Delft University of Technology
Delft, The Netherlands

M.SC. IN COMPUTER SCIENCE (TRACK: DATA SCIENCE)
Sept. 2015 - Sept. 2017

- Master thesis : An ensemble approach for news recommendation
- Supervisor: Prof. Martha Larson

University of Electronic Science and Technology of China
Chengdu, China

B.ENG. IN COMPUTER SCIENCE
Sept. 2011 - Sept. 2015

PEER-REVIEWED PUBLICATIONS

JOURNAL PAPER

Promoting Music Exploration Through Personalized Nudging in a Genre Exploration Recommender
International Journal of HCI

Yu Liang and *Martijn C. Willemsen*

CONFERENCE PAPER

A longitudinal study – Exploring the effect of nudging on users' genre exploration behavior and listening preference
Recsys' 22 (Full paper: to be appear)

Yu Liang and *Martijn C. Willemsen*

The role of preference consistency, defaults and musical expertise in users' exploration behavior in a genre exploration recommender
Recsys' 21 (Full paper + demo)

Yu Liang and *Martijn C. Willemsen*

Interactive music genre exploration with visualization and mood Control
IUI' 21 (Full paper)

Yu Liang and *Martijn C. Willemsen*

Recommender system for developing new preferences and goals
Recsys' 19 (Doctor symposium)

Yu Liang

Personalized recommendations for music genre exploration
UMAP' 19 (Full paper)

Yu Liang and *Martijn C. Willemsen*

Workshop Papers

How playlist evaluation compares to track evaluations in music recommender systems *Recsys'19 (IntRS workshop)*
*Sophia Hadash, **Yu Liang**, Martijn C Willemsen*

CLEF NewsREEL 2017: contextual bandit news recommendation *CLEF' 17 (NewsREEL)*
***Yu Liang**, Babak Loni, Martha Larson*

Open Source Project

User Study Framework for Music Genre Exploration *Github*
- *A real-world recommendation framework to support users to explore new music genres and live musical events*
- *Backend developed with Flask, PostgreSQL, Spotify API, and Python libraries (Sklearn and NetworkX)*
- *Deployed with Docker and Heroku*

Teaching experience and Presentations

Teaching experience

Interactive and Explainable Recommender Systems *JADS*
Teaching assistant *Feb, 2022 - June, 2022*
Project: The role of social media in event recommender system *Master thesis, TU/e*
Co-supervisor *July, 2020 - March, 2021*
Project: Music Exploration out of Users' Comfort Zone in a Live Musical Event (JADS musical night) *Bachelor thesis project, TU/e*
Co-supervisor *Sept, 2020 - Feb, 2021*
Project: Interactive Music Genre Exploration *Bachelor thesis project, TU/e*
Co-supervisor *Mar. 2018 - July 2018*

Invited Talks

Personalized recommendations for music genre exploration *Amsterdam, The Netherlands*
DIR' 19

Professional Service

- IUI' 21 Student Volunteer
- Recsys' 19 Student Volunteer
- CLEF' 17 and MediaEval Workshop'17 Student Volunteer

Honors & Awards

- ACM RecSys '19 SIGCHI Travel Grant

Professional Skills

Research Focus Recommender Systems, User Experience Research, Quantitative Analysis, Human-Computer Interaction