

YU LIANG

PHD CANDIDATE

The Netherlands

☎ (+31) 651460563 | ✉ y.liang-2@outlook.com | 🏠 yliang.me | 📺 YuLiang029 | 📺 ylyuliang | 🐦 @ylyuliang | 🎓 Yu Liang

PROFESSIONAL EXPERIENCE

Jheronimus Academy of Data Science (JADS)

Den Bosch, The Netherlands

PHD RESEARCHER

Mar. 2018 - Sept. 2022

- Research focused on recommender system from user-centered perspective

Delft University of Technology

Delft, The Netherlands

RESEARCH STUDENT

Sept. 2016 - Sept. 2017

- Multimedia Computing Group
- Research focused on new recommendations with contextual multi-armed bandit algorithms

EDUCATION

Eindhoven University of Technology (TU/e)

Eindhoven, The Netherlands

PH.D. IN HUMAN TECHNOLOGY INTERACTION

Mar. 2018 - Sept. 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 based on contextual bandit algorithms
- Supervisor: Prof. Martha Larson

University of Electronic Science and Technology of China

Chengdu, China

B.ENG. IN INFORMATION SECURITY

Sept. 2011 - Sept. 2015

PEER-REVIEWED PUBLICATIONS

CONFERENCE PAPER

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



- 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 machine learning libraries (Sklearn and NetworkX)
- Deployed with Docker and Heroku

TEACHING EXPERIENCE AND PRESENTATIONS

TEACHING EXPERIENCE

Data Science Master Course - Supercrunchers: The Human in an Era of Data Science

TU/e and JADS

Teaching assistant

2019 - 2021

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, Machine Learning, Human-Computer Interaction
DATA SCIENCE TOOLKIT	Scikit-learn, Numpy, Pandas, Scipy, NetworkX, Lavaan
SOFTWARE DEVELOPMENT	Flask, Docker, Heroku, PostgreSQL, RESTful API, jQuery, Ajax
PROGRAMMING LANGUAGES	Python, R, SQL, Java, C#, JavaScript
LANGUAGES	Chinese (native), English (professional working proficiency), Dutch (A2)