# Emanuele Chioso

## Computer Scientist

Creative, energetic and curious computer science engineer with experience in data analysis, able to pursue objectives on my own, very effective in team and passionate for challenging problems. Keen to learn new languages and technologies.


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## EDUCATION

### Master's Degree in Computer Science and Engineering
Polytechnic University of Milan

*02/2017 – 04/2019* *final degree mark: 100/110*

### Bachelor's Degree in Computer Science and Engineering
Polytechnic University of Milan

*09/2012 – 02/2017*

### High School Diploma in Computer Science
High School ITIS G. Feltrinelli

*2007 – 2012*

## PROJECTS

### Master Thesis: Eigenvalues as confidence estimators in item based Recommender Systems

- We have defined a confidence estimator for item-based Recommender Systemes: the eigenvalue confidence index. It characterizes the reliability of the algorithm to properly model an user.
- Recommender Systems, Collaborative Filtering, Matrix Factorization,

### Recommender System for automatic playlist continuation

- We developed a system for the task of automatic playlist continuation during the RecSys Challenge 2018 is organized by Spotify.
- The challenge is split into two parallel challenge tracks. In the main track, teams can only use data that is provided through the Million Playlist Dataset, while in the creative track participants can use external, public and freely available data sources to boost their system.
- Data Mining, Data Cleaning, RecSys, Clustering, Bayesian Optimization, Machine Learning, NLP, Teamwork, Team Leading

### Regressor for Market Sales

- Project for Data Mining course, in collaboration with BIP company. The goal of the project is to provide a working forecasting model to optimize promotions and warehouse stocks of an important European retailers.
- Scikit, Xgboost, LightGBM, RandomForest

### Bachelor Thesis: Council of Four

- Bachelor's Degree Thesis, Java implementation of a board game from Cranio Creations. The implementation is based on a client-server architecture with RMI connection.
- Java, RMI, junit, Client-Server, MVC model

### Dynamyc web page for a National Park, within an university course.

- Conceptual design and implementation of a web based hypermedia.
- SQL, PHP, Javascript, HTML, Bootstrap, CSS,

## MAIN TECHNICAL (IT) SKILLS

Recommender Systems | Artificial Intelligence | RDBMS | Data Mining | Python | Java

## ACHIEVEMENTS

### 2nd Place ACM RecSys Challenge 2018 by Spotify, creative track

*I achieved the second place with my team of students from Politecnico di Milano, competing against academic teams and also teams from well known companies. Creative track allows data augmentation with open source resources. Team: Creamy Fireflies*

### 4th Place ACM RecSys Challenge 2018 by Spotify, main track

*Withouth the use of any open source data or pre trained model. We achieved the fourth place in this track with our Recommender Sys. for automatic playlist continuation. Team: Creamy Fireflies*

## PUBLICATIONS

### Artist-driven layering and user's behaviour impact on recommendations in a playlist continuation scenario

*Proceedings of the ACM Recommender Systems Challenge 2018 Article No. 4*

## CERTIFICATES

### TOEIC Test of English for International Communication

*evaluation equivalent to C1 EF SET Scores*

## LANGUAGES

Italian
*Native Proficiency*

English
*Full Professional Proficiency*

## OTHER TECHNICAL KNOWLEDGE

SQL | git | Data Visualization | Latex | C | HTML | NumPy | Scikit | Pandas