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 a team and passionate for challenging problems. Keen to learn new languages and technologies.

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WORK

Data Engineer
Reti Televisive Italiane S.p.A. - Gruppo Mediaset

06/2019 – Present   *Cologno Monzese, Milano*

I am a Data Engineer for the Data Platform team in the Italian largest mass media company, developing and maintaining the DataLake infrastructure.

Achievements/Tasks

- Built serverless applications to create/update tables and monitor the health condition of daily updates.
- Built spark workflows using AWS Glue and AWS EMR.
- Optimized and translated legacy SQL queries adapting them to newer languages like Hive and Presto
- Managed AWS subaccount to preserve organization privacy policies and GDPR compliance.

UNIVERSITY PROJECTS AND WORK

Master Thesis: Eigenvalues as confidence estimators in item based Recommender Systems (2018 – 2019)

- 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,

Assistant teacher, TechCamp@POLIMI (2019)

- Assistant teacher at TechCamp2019 @Polimi, where I've taught Python language to High school classrooms guiding them to build a game project on their own
- Python, Teamwork, Communication

Recommender System for automatic playlist continuation (2018) ⧉

- 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 (2017) ⧉

- 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 important European retailers.
- Scikit, Xgboost, LightGBM, RandomForest

Bachelor Thesis: Council of Four (2016)

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

EDUCATION

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

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

MAIN TECHNICAL (IT) SKILLS

`Python` `Recommender Systems` `RDBMS` `Artificial Intelligence` `Data Mining` `Java` `AWS` `Query Languages`

ACHIEVEMENTS

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

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

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

Without the use of any open-source data or pre-trained model. We achieved fourth place in this track with our Recommender Sys. for automatic playlist continuation. Team: Creamy Fireflies

CERTIFICATES

TOEIC Test of English for International Communication ⧉

evaluation equivalent to C1 EF SET Scores

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

LANGUAGES

Italian
Native Proficiency

English
Full Professional Proficiency

OTHER TECHNICAL KNOWLEDGE

`SQL` `git` `Data Visualization` `Latex` `C` `HTML` `NumPy` `Scikit` `Pandas` `Serverless applications`