Grégory D'Angelo

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DATA SCIENTIST / MACHINE LEARNING ENGINEER

Software Programmer with certifications and degree in data science and solid skills in solving challenging real-world problems through machine learning techniques. Eager to implement new technologies and motivated to provide expertise in applying predictive models to massive data sets.

SKILLS

- Strong: JavaScript (ES6+), Python (NumPy, Pandas, Scikit-Learn, Matplotlib), Spark, MongoDB, Git
- Experienced: Node.js/Express, React.js/Redux, Angular 2
- Basic: Unix, SQL, Webpack, C++, C
- Languages: French (mother tongue), English (fluent), Spanish (notions)

PROJECT EXPERIENCE

TITANIC SURVIVAL EXPLORATION
Jan 2017
- Created decision functions that attempt to predict survival outcomes from the 1912 Titanic disaster based on each passenger's features, such as sex and age
- Implemented manually a decision tree model to build a predictive algorithm with an accuracy of 81.71%

PREDICTING BOSTON HOUSING PRICES
Jan 2017
- Used machine learning concepts to assist a real estate agent and a client with finding the best selling price for his home based on a dataset which contains data on various features for houses in Boston
- Developed and evaluated the performance and predictive power of a model trained and tested on collected data using machine learning and data analysis libraries such as pandas, numpy, and scikit-learn
- Produced an optimal model using cross-validation and Grid Search techniques predicting "reasonable" prices of unseen data regarding the descriptive statistics of the dataset and data visualization

PROFESSIONAL EXPERIENCE

ESKER – Lyon, France
Software Implementation Specialist, Nov 2014 - Present
- Work as part of a team (15 people) or independently to implement Esker's on-premise software and SaaS solutions
- Collaborate closely with 100+ B2B customers to define requirements, customize and test the application and train end users
- Improve customers experience and resolve issues for clients by working with cross-organizational teams (sales, research & development and technical support)

WORLDLINE, AN ATOS COMPANY – Lyon, France
Software Engineer - Internship, Jun 2013 - Dec 2013
- Designed and programmed, as part of a team, a web application using Java EE of an e-commerce website for the world's largest chain of fast food restaurants
- Worked with a cross-functional team of front-end and back-end software engineers, mobile software engineers, and database administrators

EDUCATION

INSA – Lyon, France: *Master's Degree in Computer Science, Sep 2014*

SJTU – Shanghai, China: *Master Degree in Computer Science - Exchange Student, Sep 2014*

POLITECNICO DI TORINO – Torino, Italy: *Master's Degree in Computer Science, Sep 2014*

INDEPENDENT COURSEWORK

UDACITY: Machine Learning Nanodegree

MICROSOFT: Professional Program in Data Science

MONGODB: M101JS and M102 courses, and MongoDB Certified Developer Associate

PERSONAL

- Founder and technical writer at EloquentWebApp.com about JavaScript, React.js and Angular 2