Andonesei Samuel

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EXPERIENCE

VITESCO TECHNOLOGIES
Iasi | July 2018 - Present
Software Developer
- Development on Simulink/Targetlink models: generation, testing, quality and review
- Improvement to automation of development process
- Internal tooling/ scripting

POSITION OF RESPONSIBILITY

- Auto-coding process responsible
- Technical/ project specific trainings for external colleagues
- Mentoring of other Software Developers
- Person of contact on development activities providing technical support for team members and analyses to project responsible colleagues from Toulouse and Yokohama

JOB-RELATED SKILLS

- Python
- SQL, PL/SQL

OTHERS

- Matlab, C, Simulink, Java, ML Tools: NumPy, scikit-learn, TensorFlow, Pandas, Matplotlib/ Seaborn

EDUCATION

BACHELOR'S DEGREE, COMPUTER SCIENCE
Faculty of Computer Science | 2015-2018

HIGH SCHOOL DIPLOMA
Colegiul National, Iasi | 2011-2015

WORK ACCOMPLISHMENTS

- Non-volatile variables usage and consumption - Added new functionality into tool-chain for a prevalent issue (at multiple levels of development). This addition completely removed the necessary manual operations and reduced number of issue occurrences to 0

- Continuous testing tool - It enabled further testing after initial development, which was not previously possible (too much time per unit). This reduced the required time per unit from around 10 minutes to a few seconds

PROJECTS

BREAST CANCER PREDICTION USING MACHINE LEARNING TECHNIQUES | Bachelor's degree thesis
- Main chapters: Data visualization, Machine learning algorithms, Handling of missing data, Feature selection, Ensemble methods;

NOTIFICATION APP | Programming Engineering - project
- A software application that provided its users the possibility to create their own notifications and also receive specific notifications of real-time events based on personal preferences
- Technologies used and knowledge gained on: HTTP protocol, REST API, Python, Crawlers, Usage of JSON format, DB design, CRUD operations;

ARTIFACTY | WEB Technologies - project
- A Web service-oriented application with informational purposes on artifacts
- Technologies used and knowledge gained on: PHP, HTML/ CSS, DB design, CRUD operations, JSON/CSV/XML imports/exports;

PAYWORD | Smart Cards and Applications - project
- Electronic payment based on hash chains which repeatedly provides small amounts of information. The purpose of the app was to reduce the number of operations applied with public keys by replacing them with hash operations

ANN | Neural Networks - project
- A complex neural network on the classic game of Snake: with a preset number of moves, help the AI move in optimal ways
- Technologies used and knowledge gained on: Python, Neural Networks, TensorFlow, Keras;

RESTAURANT GUIDE | Cloud Computing - project
- An application deployed on Google App Engine which based on user's location and preferences, recommends nearby restaurants