

MARKO ALEKSENDRIC

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EDUCATION

- Faculty of Mechanical Engineering, University of Belgrade, Serbia** *2010-2013*
PhD Thesis: Dynamical analysis of a particular class of linear singular timedelay control systems on finite and infinite time interval
- Faculty of Mechanical Engineering, University of Belgrade, Serbia** *2003-2010*
MSc Thesis: Robust Control, H-infinity Control Design (summarized the current results in the field of robust H-infinity control systems)
- Faculty of Mechanical Engineering, University of Belgrade, Serbia** *June 2003*
B.S. in Control Systems Engineering - BSc Thesis: New Results in the field of discrete time-delay systems (yielded new results in the field of discrete time-delay systems and was presented at the 2003 American Control Conference, in Denver, Colorado)
- La Farnesina, grammar school, Rome, Italy** *1994*
Final score 58/60

PROFESSIONAL DEVELOPMENT

- Introduction to Data Science, Coursera - University of Washington** *2013*
A nice and gentle introduction to the blend of sciences and techniques of DS
- Data Science and Machine Learning Bootcamp with R - Udemy** *2018*
Introduction and advanced concepts in R. Hands on projects
- SQL - MySQL for Data Analytics Business Intelligence - Udemy** *2018*
General database concepts, business intelligence, reporting, Tableau
- The Complete Python Course Learn by Doing - Udemy** *2017*
Advanced topics and aspects of the language: GIL, async, OO techniques etc
- Probability and Statistics for Business and Data Science - Udemy** *2018*
Refresher on statistics and practical uses in data science
- Web Design for Web Developers - Udemy** *2017*
Some web design basics, css, typography, layouts etc
- Learning Python for Data Analysis and Visualization - Udemy** *2015*
Pandas, Jupyter, matplotlib, numpy, statistics in python, sql
- Online training - javascript and node.js, express framework** *2015*
Javascript language and idioms, server-side JS, node.js, express.js framework
- Learning Python for Data Analysis and Visualization - Udemy** *2017*
Pandas, Jupyter, matplotlib, numpy, statistics in python, sql
- OpenRefine 101 - edX** *2014*
Data cleaning, before they released Trifacta.
- Data Visualization with R - IBM Cognitive Class** *2017*
Data visualization and Data Journalism
- Various courses - Udemy, Udacity, edX, Cognitive Class** *2013-2018*
Flask, Django, node.js, R data analysis, machine learning, deep learning etc.
- Lots of books (science, development)** *1995 - current*
I try to make myself post reviews of what I read online on my website

EXPERIENCE

- ITA - ICE Italian Trade Agency** *September 2005 - Present*
Trade Analyst *Belgrade, Serbia*

- Consulting services for italian companies, business and market analysis, annual sector analysis (industry, energy, ICT etc)

Vinca Institute of Nuclear Sciences
Research Scientist

September 2003 - August 2005
Belgrade, Serbia

- Worked on energy efficiency projects, data acquisition and processing
- Presented new results in the field of discrete time delayed control systems (American Control Conference, Denver Colorado, 2003)

Cubo Control
Owner & CEO

2011 - 2017
Home Automation Company

- Home Automation, Domotics, development, interior desing and smart homes with Italian design

Freelance Work

1995 - current
Belgrade, remote

Programming, web development, various

- Built over 10 web sites and web apps for companies, professionals, a national museum etc
- Numerous projects in data processing (acquisition, munging)
- Built a sport social network
- Over 10 web scraping projects
- Visualization projects (excel, d3.js, tableau)
- Published articles in newspapers (Politika), magazines (PC Press) and others
- Dozens of translations (italian - serbian - english)
- Authored and published online a home automation manual

TECHNICAL STRENGTHS

Computer Languages	Python, Javascript, Html, CSS, R, Matlab, Fortran, VB
Protocols & APIs	XML, JSON, RES
Web Dev	Django, Flask, all things python, Node.js, Express.js
Databases	MySQL, PostgreSQL, Sqlite, MongoDB
Tools	Git, github, VPS & heroku deployment, Nginx, Apache
Data Science	Jupyter/matplotlib/seaborn/pandas, numpy, R (ggplot, tidyr, dyplr)
Visualization	D3, Tableau, PowerBI, various python and JS solutions
Machine Learning	Scikit-Learn, Neural Networks, Keras, fun stuff

SPOKEN LANGUAGES

Serbian	mother tongue
Italian	mother tongue
English	proficient, IELTS test (march 2018) available upon request

SOFT SKILLS

Adaptable	Able to learn fast, on the fly
Passionate	Willing to walk the extra mile in order to complete the task
Team player	Experience in being part and/or managing international teams
Communication	A firm believer in communication horizontal, verical, written and oral
Open minded	Ready to embrace new challenges using the latest methodologies and technologies