

PERSONAL INFORMATION

Zlatan Sičanica

📍 Dračevića 4, 10010 Zagreb (Croatia)

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Sex Male | Date of birth 18/12/1993 | Nationality Croatian, Bosnian-Herzegovinian

WORK EXPERIENCE

01/03/2018–Present

Software Engineer

Končar - Power Plant and Electric Traction Engineering, Zagreb (Croatia)

Backend development in Python

Frontend development in JavaScript

SCADA development

Machine learning research

01/10/2017–01/03/2018

Software engineer

Micro Digital d.o.o, Zagreb (Croatia)

Backend development in Python

Frontend development in JavaScript

Power plant maintenance app development

15/11/2016–01/10/2017

Student associate

Končar - Power Plant and Electric Traction Engineering, Zagreb (Croatia)

Student associate, working on my masters thesis.

Development of a model for prediction of daily/hourly gas consumption based on air temperature and other parameters.

Shortly worked on development of SCADA system modules.

01/10/2016–01/02/2017

Laboratory demonstrator

Faculty of Electrical Engineering and Computing, Zagreb (Croatia)

Correction of written exams and oral examination of students at the course of "Fuzzy, evolutionary and neural computing". The classes covered the following topics:

- Fuzzy computing
- Evolutionary algorithms
- Neural networks
- Neuro-fuzzy networks (ANFIS)
- Neuro-evolutionary systems

05/2016–15/11/2016

Junior software developer

Neoinfo d.o.o., Zagreb (Croatia)

- Android application development
- Development of web services (.NET, WCF)
- Working with SQL Server databases
- ERP development

EDUCATION AND TRAINING

09/2015–07/2017

Master of Science in Computing

Faculty of Electrical Engineering and Computing, Zagreb (Croatia)

- Programming mostly in Java, Python and C#, but met with various other languages as well
- Soft computing, data science, advanced algorithms and data structures
- Parallel programming (MPI), analysis of large datasets
- Basics of cryptography
- Graph theory
- Deep learning, neural networks, meta heuristics
- Linux

09/2012–07/2015

Bachelor of Science in Computing

Faculty of Electrical Engineering and Computing, Zagreb (Croatia)

- Programming in Java i C
- Android development
- Basics of AI
- Operating systems
- Databases (MySQL i PostgreSQL)
- Basics of communication networks, network programming
- UML
- Design and architecture patterns in software engineering

09/2008–06/2012

Finished grammar school

First Gymnasium, Zagreb (Croatia)

Basics of mathematics, physics and computing

PERSONAL SKILLS

Mother tongue(s) Croatian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
German	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

- Well versed communication skills, developed through work in various team projects at the college and during part-time work in various IT companies.

Organisational / managerial skills

- Experience of being a team leader in one of the projects at the college
- Completed the "Organisation design" course at the college
- Took part in a project management championship

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

Well versed in:

- Usage of the Office tools
- Programming mostly in Python and JavaScript, familiar with the basics of Java, C# and C
- Experience with SQL Server, PostgreSQL and MySQL systems

Driving licence B

ADDITIONAL INFORMATION

Projects

Doc. dr. sc. Boris Milašinović, Faculty of Electrical Engineering and computing
Generic framework for gas consumption prediction with various algorithms

Dr. sc. Darijan Marčetić, Faculty of Electrical Engineering and computing
Unification of face localization and pose estimation in a video

Seminars

Doc. dr. sc. Boris Milašinović, Faculty of Electrical Engineering and computing
Location based recommendation systems – basic methods and models

Conferences

Z. Sičanica and Z. Oklopčić, "Countywide natural gas consumption forecast, a machine learning approach," *2018 41st International Convention on Information and Communication Technology, Electronics and Microelectronics (MIPRO)*, Opatija, 2018, pp. 1070-1073.
doi: 10.23919/MIPRO.2018.8400195