Patrik Đurđević

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Education

University of Zagreb   October 2019-June 2022
Faculty of Electrical Engineering and Computing
Bachelor of Science in Computing
Cumulative Weighted GPA: 4.83 / 5.0
- Final BSc Thesis focused on NLP in collaboration with TakeLAB FER
- Elective courses: Competitive programming, Service and application development for iOS, Introduction to R programming language

Experience

Q Agency   Zagreb, Croatia
Data Science Consultant   September 2021-Present
- Developing a data science consulting framework with a colleague (ex-PwC)

Zagrebačka banka d.d.   Zagreb, Croatia
Data Scientist   September 2021-Present
- Working on the ATM cash flow prediction problem

Avaya   Dubai, United Arab Emirates
Student Intern   July 2021-August 2021
- Worked on the development of a new analytics solution (backend and frontend)
- Created a proprietary secure questionnaire web application (similar to Google Forms)
- Created a customer churn PoC model (99.92% AUC) for a contact center with a discount recommendation system (it was showcased at GITEX Global 2021 in Dubai)
- Worked with the consulting team on how they can utilize data science to further improve their processes
- Delivered a presentation on the subject of "Data Science @ Avaya, Practical Applications & Ideas" to the APS leadership team

Zagrebačka banka d.d.   Zagreb, Croatia
Student | Analytical CRM for individual customers and Big Data   December 2020-June 2021
- Implemented one shot learning siamese networks (character level LSTM) for binary classification using TensorFlow (Python)
- Performed data extraction, cleaning and preparation for processing using Pandas (Python)
- ETL for various projects using Oracle Data Integrator

X.FER (Computer Science Club @ FER, University of Zagreb)   Zagreb, Croatia
President   *May 2021-Present*
- Leading a club with 75 members
- Managing partnerships with partner companies
- Organizing a Competitive programming university course (managed a ~50% YoY increase in enrolment)
- Organizing 3 computer science competitions on a national level throughout the academic year
- Building the X.FER brand

B.A.M.T. TRGOVINA d.o.o.   Zagreb, Croatia
Web developer   June 2019-September 2019
- Developed an online shop for a retail store (www.ambient.hr).
- Developed a specialised online shop (www.snovi.hr).

Certificates

TensorFlow Developer Certificate   July 2021
TensorFlow Certificate Program

Cambridge English Level 3 Certificate in ESOL International   June 2018
CEFR Level C2 (Grade A)

Professional development

MITx
June 2020-Mid 2022
Micromasters Program, Statistics and Data Science
- Completed courses: Probability - The Science of Uncertainty and Data, Fundamentals of Statistics, Data Analysis in Social Science

Corporate Finance Institute
November 2020-December 2022
Business Intelligence & Data Analysis (BIDA)™ Certification
- Completed 6 out of 12 core courses

deeplearning.ai
December 2020
Deep Learning Specialization

ColumbiaX
December 2020
CSMM102.x: Machine Learning

Wharton online
October 2020
Customer Analytics

Harvard College
September 2020
CS50's Introduction to Artificial Intelligence with Python

Awards

ICPC Central European Regional Contest (online)
2021
33rd place

Competition of teams of computer science students from Croatian universities
2020
3rd place, Qualified for the ICPC Central European Regional Contest 2020-2021

LUMEN Data Science Competition
2020
Best presentation & 4th place
- Topic: predictive maintenance

Croatian Agency for Education
2016 and 2019
Oscar of knowledge
- Oscar of knowledge is the most significant Croatian award and recognition in education.

Croatian national computer science competition
2013, 2015, 2017, and 2019
- 8th, 8th, 3rd, and 6th place

American Computer Science League All-Star Contest
2016 and 2019
- 3rd, and 1st place

Volunteering

eSTUDENT (Student organization)
October 2020-June 2021
Project management team member
- My team was organizing a regional business competition
- Coordinating a partnership with a sponsor for the competition (BAT)

MIOC
October 2019-March 2020
Competitive programming lecturer
- Preparing high-school students for computer science competitions

University of Zagreb
October 2019-March 2020
Programming lecturer at RADDAR
- Teaching elementary school children programming in python

Skills

Programming: Python (NumPy, pandas, scikit-learn, PyTorch, TensorFlow), SQL, R, C, C++, Java, JavaScript
Database: Oracle, Oracle SQL Developer, Oracle Data Integrator 12c, MySQL