# Patrik Đurđević

Ante Pandakovića 11, 10000 Zagreb, Croatia

+385 99 2500755 | patrik.durdevic@gmail.com

## Education

**University of Zagreb**                                                                 October 2019-July 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
- My colleague (ex-PwC) and I are developing a framework for Data Science Consulting

**Zagrebačka banka d.d.**                                                                  Zagreb, Croatia
*Data Scientist*                                                                             September 2021-Present
- My team and I are working on the ATM cash flow prediction problem

**Avaya**                                                                          Dubai, United Arab Emirates
*Student Intern*                                                                          July 2021-August 2021
- I worked on the development of a new analytics solution (backend and frontend)
- I created a proprietary secure questionnaire web application (similar to Google Forms)
- I 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)
- I worked with the consulting team on how they can utilize Data Science to further improve their processes
- I held a "Data Science @ Avaya, Practical Applications & Ideas" presentation to the APS leadership team

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

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

**B.A.M.T. TRGOVINA d.o.o.**                                                              Zagreb, Croatia
*Web developer*                                                                     June 2019-September 2019
- I developed an online shop for a retail store (www.ambient.hr).
- I 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-Late 2021
*Micromasters Program, Statistics and Data Science*
- Completed courses: Probability - The Science of Uncertainty and Data, Fundamentals of Statistics, Data Analysis in Social Science

**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

**Competition of teams of computer science students**                    2020
**from Croatian universities**
*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 2019-March 2020
*Project management team member*
- My team and I were organizing a regional business competition
- I was coordinating a partnership with a sponsor for the competition (BAT)

**MIOC**                                               October 2019-March 2020
*Competitive programming lecturer*
- I had a task to prepare high-school students for computer science competitions

**University of Zagreb**                               October 2019-March 2020
*Programming lecturer at RADDAR*
- I was teaching elementary school children programming in python

## Skills

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