

## **Patrik Đurđević**

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### **Education**

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**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**

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**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](http://www.ambient.hr)).
- I developed a specialised online shop ([www.snovi.hr](http://www.snovi.hr)).

### **Certificates**

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**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

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<b>MITx</b> <i>Micromasters Program, Statistics and Data Science</i> <ul style="list-style-type: none"><li>Completed courses: Probability - The Science of Uncertainty and Data, Fundamentals of Statistics, Data Analysis in Social Science</li></ul>	June 2020-Late 2021
<b>deeplearning.ai</b> <i>Deep Learning Specialization</i>	December 2020
<b>ColumbiaX</b> <i>CSMM102.x: Machine Learning</i>	December 2020
<b>Wharton online</b> <i>Customer Analytics</i>	October 2020
<b>Harvard College</b> <i>CS50's Introduction to Artificial Intelligence with Python</i>	September 2020

## Awards

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<b>ICPC Central European Regional Contest (online)</b> <i>33rd place</i>	2021
<b>Competition of teams of computer science students from Croatian universities</b> <i>3rd place, Qualified for the ICPC Central European Regional Contest 2020-2021</i>	2020
<b>LUMEN Data Science Competition</b> <i>Best presentation &amp; 4th place</i> <ul style="list-style-type: none"><li>Topic: Predictive Maintenance</li></ul>	2020
<b>Croatian Agency for Education</b> <i>Oscar of knowledge</i> <ul style="list-style-type: none"><li>Oscar of knowledge is the most significant Croatian award and recognition in education.</li></ul>	2016 and 2019
<b>Croatian national computer science competition</b> <ul style="list-style-type: none"><li>8th, 8th, 3rd, and 6th place</li></ul>	2013, 2015, 2017, and 2019
<b>American Computer Science League All-Star Contest</b> <ul style="list-style-type: none"><li>3rd, and 1st place</li></ul>	2016 and 2019

## Volunteering

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<b>eSTUDENT (Student organization)</b> <i>Project management team member</i> <ul style="list-style-type: none"><li>My team and I were organizing a regional business competition</li><li>I was coordinating a partnership with a sponsor for the competition (BAT)</li></ul>	October 2020-June 2021
<b>MIOC</b> <i>Competitive programming lecturer</i> <ul style="list-style-type: none"><li>I had a task to prepare high-school students for computer science competitions</li></ul>	October 2019-March 2020
<b>University of Zagreb</b> <i>Programming lecturer at RADDAR</i> <ul style="list-style-type: none"><li>I was teaching elementary school children programming in python</li></ul>	October 2019-March 2020

## Skills

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