



Ana Marija Filipas

Date of birth: 16/09/1997 | **Nationality:** Croatian | **Gender:** Female |
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WORK EXPERIENCE

07/03/2022 – 10/07/2022 – Rijeka, Croatia

EXTERNAL ASSOCIATE – UNIVERSITY OF RIJEKA, FACULTY OF ECONOMICS AND BUSINESS

Holding courses from Mathematical Analysis for Economists (part-time study) and part of the following courses: Mathematics for Economic and Financial Analysis (full-time study and part-time study), Statistics for Business and Economics (full-time study).

Ivana Filipovića 4, 51000, Rijeka, Croatia

18/10/2021 – 31/08/2022 – Rijeka, Croatia

SUPPORT ENGINEER – IOLAP D.O.O

Work on the implementation of software solutions, testing, maintenance and writing/updating project documentation. Also, working with databases.

Prolaz Marije Krucifikse Kozulić 1, 51000, Rijeka, Croatia

EDUCATION AND TRAINING

27/09/2019 – 20/07/2021 – Radmile Matejčić 2, Rijeka, Croatia

MASTER OF SCIENCE IN MATHEMATICS - GRADUATE STUDY DISCRETE MATHEMATICS AND ITS APPLICATIONS – University of Rijeka, Department of Mathematics

Graph theory, Linear programming, Probability theory, Statistics, Artificial intelligence, Introduction to design theory, Design and analysis of experiments, Nonlinear optimization, Statistical practicum, Optimization methods in finance

Master's thesis: Statistical modelling of extreme values

Procedures and techniques used in Extreme value theory are explained on examples from different fields (hydrology, climatology, finance and other) using the programming language R.

Graduated cum laude.

20/07/2016 – 10/09/2019 – Radmile Matejčić 2, Rijeka, Croatia

BACHELOR OF SCIENCE IN MATHEMATICS - UNDERGRADUATE STUDY MATHEMATICS – University of Rijeka, Department of Mathematics

Differential equations, Programming, Introduction to probability and statistics, Mathematical theory of computing

Undergraduate thesis: Sturm and Ribaucour curves

● LANGUAGE SKILLS

Mother tongue(s): **CROATIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
ITALIAN	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

My Digital Skills

Advanced user of Microsoft Office Package | Microsoft PowerBI | Profficient user of Latex | Wolfram Mathematica | Geogebra | Basics of Stata | R/R-Studio | Matlab | Experience in Python | Basics of C and C++ | GAP | Magma | Working with databases (SQL, PostgreSQL, MySQL) | Amazon Web Services (AWS)

● NETWORKS AND MEMBERSHIPS

10/09/2019 – CURRENT

Member of Alumni club, University of Rijeka, Department of Mathematics

01/10/2020 – CURRENT

Member of The Students Council of the University of Rijeka, Department of Mathematics

● CONFERENCES AND SEMINARS

Data Science Conference Croatia 22

Lecture topic: "RFM Segmentation, Analysis & Model Marketing with R: Know your customers".
Lecture held by Milica Zukanović.

Lecture topic: "Drones & AI: Budget-friendly turn-key sUAVs paired with AI solutions".
Lecture held by Markus Krebsz.

21/02/2022 – 24/02/2022 – Workshop held at the Faculty of Economics and Business, University of Rijeka

Applied Econometrics in Microeconomics

Workshop held by Craig A. Depken

41. Economists workshop, HNB

Presentation of the article "Pandemic Lockdowns: A Role of Economic and Demographic Structure" in organization with Croatian National Bank (HNB). Lecture held by Ivo Bakota.

- **HONOURS AND AWARDS**

10/06/2021

Participation in the competition "Student Competition Best of 8ECM", Portorož, Slovenija

Solving problems from Financial mathematics and Actuarial science and also presenting solutions with two colleagues.

08/05/2015

Participation in the 10. Festival of Mathematics, Pula, Croatia

Member of a team which took part in 10. Festival of Mathematics.
Result: 2nd place of 22 at a state level.

Scholarships

Received scholarship from the city of Labin during all 5 years of study

- **ORGANISATIONAL SKILLS**

Organizational skills

Good organizational skills

- **COMMUNICATION AND INTERPERSONAL SKILLS**

Communication and interpersonal skills

Good communication skills
Capable to work in team
Approachable