

Date of birth: 05/07/1998 | **Nationality:** Croatian | **Phone number:** (+385) 981755039 (Mobile) | **Email address:** ana.redep@fsb.unizg.hr | **Address:** Zagreb, Croatia (Home)

● **WORK EXPERIENCE**

UNIVERSITY RESEARCH ASSISTANT – FACULTY OF MECHANICAL ENGINEERING AND NAVAL ARCHITECTURE, UNIVERSITY OF ZAGREB – 01/07/2025 – Current – ZAGREB, CROATIA

Department of Energy, Power and Environmental Engineering
Power Engineering and Energy Management Chair

JUNIOR RESEARCHER – FACULTY OF MECHANICAL ENGINEERING AND NAVAL ARCHITECTURE, UNIVERSITY OF ZAGREB – 07/10/2024 – 30/06/2025 – ZAGREB, CROATIA

Department of Energy, Power and Environmental Engineering
Power Engineering and Energy Management Chair

INVOICING (JUNIOR) – BRUNATA D.O.O. – 17/07/2023 – 30/04/2024 – ZAGREB, CROATIA

INTERNSHIP – MEGAJOULE ADRIA D.O.O. – 01/04/2023 – 31/05/2024 – ZAGREB, CROATIA

INTERNSHIP – CROSCO – 2019 – 2019 – IVANIĆ GRAD, CROATIA

● **EDUCATION AND TRAINING**

2024 – CURRENT
PHD STUDENT FACULTY OF MECHANICAL ENGINEERING AND NAVAL ARCHITECTURE, UNIVERSITY OF ZAGREB

Field of study Engineering, manufacturing and construction |

Thesis Energy Transition of Industry Through the Synergy of Renewable Sources and Carbon Capture Technologies

2021 – 2023 Zagreb, Croatia
MASTER DEGREE IN PETROLEUM ENGINEERING, UNIV. MAG. ING. PETROL. Faculty of Mining, Geology and Petroleum Engineering, University of Zagreb

Thesis Techno-Economic Analysis of the Decarbonization of Multi-Residential Heating Systems Using the FEFLOW and RES2GEO Models

2017 – 2021 Zagreb, Croatia
BACHELOR DEGREE IN PETROLEUM ENGINEERING, UNIV. BACC. ING. PETROL. Faculty of Mining, Geology and Petroleum Engineering, University of Zagreb

Thesis Cost Analysis of Carbon Dioxide Capture, Storage, and Transport and the Development of Projects in Norway

● **LANGUAGE SKILLS**

Mother tongue(s): **CROATIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
SPANISH	A2	A2	A2	A2	A1

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

SKILLS

Google Earth Pro | AutoCAD | MS Office | PVGIS | EnergyPLAN | FeFlow

PROJECTS

07/10/2024 – CURRENT
AGRI-DIGITAL GROWTH - Precision Farming Ecosystem for Digital Skills enhancement across CE, to support digitalisation, sustainability and specialisation of Agri food manufacturing SMEs in Precision Farming transition

CONFERENCES AND SEMINARS

2025 – 2025 Dubrovnik, Croatia
Sustainable Development of Energy, Water and Environment Systems (SDEWES)

I participated as a member of the Local Organizing Committee and as a presenter.