

PERSONAL INFORMATION **Fran Globlek**

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 [globlek.science](http://globlek.science)

Gender Male | Date of birth 21 October 1994 | Nationality Croatian

## EDUCATION

**Integrated BSc and MSc programme**

University of Zagreb, Faculty of Science, Physics Department

- enrolled in 2013
- MSc thesis: “Factorization Algebras in QFT”, under mentorship of Zoran Škoda
- thesis defended 13 July 2018 with 4.953 GPA, summa cum laude

## TEACHING

- Student TA, course “Quantum mechanics”, 2016/17 Summer semester
- Student TA, course “Relativistic quantum physics”, 2017/18 Winter semester

## RESEARCH INTERESTS

- approaches to QFT such as AQFT and Prefactorization algebras, especially on curved spaces; noncommutative spaces and generalized spaces (topoi)
- renormalization, resurgence theory
- higher category theory including its applications to geometry, physics and other sciences

## OTHER

- awarded Excellence Scholarship by University of Zagreb: 2016/17, 2017/18
- worked with Mathematical Physics group on Rudjer Boskovic Institute in 2017 on a seminar on Hopf algebras and noncommutative geometry
- gave lecture “Factorization Algebras and Observables” during Spring school on Geometry and Topology in Hradec Králové in May 2018

## PERSONAL SKILLS

Mother tongue Croatian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Certificate of Advanced English, passing grade A qualifies C2 level					
German	B1	B1	A2	A2	A2
A2 tested at Language school Čarobna riječ, currently working on B1					
French	A1	A2	A1	A1	A1

A1 tested at University of Zagreb, Faculty of Humanities and Social Sciences

Levels: A1/A2: Basic user – B1/B2: Independent user – C1/C2: Proficient user  
[Common European Framework of Reference \(CEF\) level](#)

- Computer skills** – languages: C, Python and Sage, Pascal  
– other skills:  $\LaTeX$ , Mathematica. GNU/Unix user since 2013. Learned bits of CSS and HTML while making my webpage.
- Volunteering** – member of Engineering and Technical Students' Club (KSET) since 2016, which includes weekly volunteering at concerts and other cultural events alongside a team of dedicated students  
– bigger events volunteered in: DORS/CLUC, Croatian Linux Users Conference in 2017; Open days at Department of Physics "Fizika danas" in 2014, 2015, and 2016; Zagreb Science Picnic in 2014
- Other skills** Amateur jazz musician, 10+ year experience with guitar, recently focusing on tenor saxophone. Besides music and a good book, I enjoy travelling, cycling and weightlifting.
- Driving licence** B