

PERSONAL INFORMATION **Fran Globlek**

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 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
- GPA: 4.95

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 further 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
- currently collaborating with colleague on project for Dean’s award; the topic is approximate symmetries in general relativity
- worked with Mathematical Physics group on Rudjer Boskovic Institute in 2017 on a seminar on Hopf algebras and noncommutative geometry
- to attend 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 | A2 | A2 | A2 | A2 | A2 |
| tested at Language school Čarobna riječ | | | | | |
| French | A1 | 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 (exclusively) 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 musician currently part of jazz quartet. 10+ year experience with guitar, recently focusing on alto saxophone. Besides music and art, I enjoy travelling, cycling and weightlifting.
- Driving licence** B