

KONTAKNTE  
INFORMACIJE  
CONTACT  
INFORMATION

Urh Primožič  
Žiganja vas 64  
4294 Križe, Slovenija  
☎: +386 40 786 199  
✉: [urh.primozic@gmail.com](mailto:urh.primozic@gmail.com)  
🌐: [urhprimozic](https://urhprimozic.github.io)  
🌐: [urhprimozic.github.io](https://urhprimozic.github.io)

FORMALNA  
IZOBRAZBA

**Naziv: diplomirani matematik (UN)**  
**Title: Bachelor of Mathematics (UN)**

## FORMAL EDUCATION

**Osnovna šola Križe** 2006 – 2015  
Primary school Križe

**Zavod sv. Stanislava, Škofijska klasična gimnazija** 2015 – 2019  
St. Stanislav's Institution, Diocesan Classical Gymnasium

**Fakulteta za matematiko in fiziko, Univerza v Ljubljani** 2019 – 2022  
Faculty of Mathematics and Physics, University of Ljubljana

- **Diplomski študij matematike**  
Bachelor's degree in Mathematics
- **Fakultetna Prešernova nagrada za diplomsko delo**  
Won Prešeren's price for Bachelor's thesis

**Fakulteta za matematiko in fiziko, Univerza v Ljubljani** od 2022  
Faculty of Mathematics and Physics, University of Ljubljana

- **Magisterij iz matematike (zaključujem magistrsko nalogo)**  
I am currently finishing my Master's thesis

DELOVNE  
IZKUŠNJE  
WORK EXPERIENCE

**Inštitut Jožef Stefan - Oddelek za tehnologije znanja** od 2020  
Jozef Stefan Institute - Department of knowledge technologies

- **Razvoj in analiza algoritmov rangiranja značilk**  
Research and development of new feature-selection algorithms
- **Razvoj algoritma FRANe**  
Development of FRANe

**Inštitut za matematiko, fiziko in mehaniko** 2022  
Institute of Mathematics, Physics and Mechanics

- **Raziskovanje tvorjenja enačb z verjetnostnimi gramatikami**  
Research of equation-generating probabilistic grammars

**Sinergise** 2023

- **Razvoj modela za avtomatsko zaznavo senc na satelitskih posnetih s strojnim učenjem**  
Developing a model for automatic cloud shadow detection on aerial images using machine learning

**Lumitech** 2025

- **Razvoj sistema za avtomatski monitoring obrabe strojev**  
Developing autonomous monitoring system for factories with multiple machines

**Drugo: Delo na višini, instrukcije, učitelj plezanja, gozdarstvo**  
Other: Construction work at heights, tutoring, trainer of sport climbing, forestry

## PROJEKTI

## PERSONAL PROJECTS

- **Računalniška igra Deserter** 2019  
Deserter video game. JavaScript.
- **Računalniška igra Backgammon** 2020  
Backgammon video game. Java, monte-carlo.
- **Mobilna igra Becka** 2025  
Shep mobile game. Defold, lua, Android

OBJAVE  
PUBLICATIONS

Primožič U., Škrlj B., Džeroski S., Petković M. 2021, *Unsupervised Feature Ranking via Attribute Networks*, lecture Notes in CS, v12986. Springer  
Primožič U., Petković M., Todorovski L. 2022 *Probability of deriving an algebraic expression with a probabilistic context-free grammar*, formal languages and automata theory  
Primožič U. 2024, *P(izraz—gramatika)*, zbornik konference slovenskih matematikov 2023, DMFA

ZNANJA  
SKILLS

Programski jeziki: Python (Pandas, Numpy, sk-learn, pytorch, pygame, ..), Lua, JavaScript, Agda, Ocaml, Lean, Java (osnove), C++ (osnove), GAP (osnove)

Programming Languages: Python (Pandas, Numpy, sk-learn, pytorch, pygame, ..), Lua, JavaScript, Agda, Ocaml, Lean, Java (basics), C++ (basics), GAP (basics)

Programska oprema: Windows, Linux, Wolfram Mathematica, Defold, Matlab (osnove), Gimp, Google Play Console, Google Cloud (osnove)

Software: Windows, Linux, Wolfram Mathematica, Defold, Matlab (basics), Gimp, Google Play Console, Google Cloud (basics)

Raziskovalna področja: strojno učenje, diskretne strukture, verjetnost v strojnem učenju, računalniška matematika

Past research interests: machine learning, discrete structures, probability in machine learning, computer mathematics

Vozniško dovoljenje: AM, A, B, F, G

Driving licence: AM, A, B, F, G

JEZIKI  
LANGUAGES

Slovenščina: Materni jezik

Slovenian: First language

Angleščina: Tekoče

English: Fluent

Nemščina: Osnove

German: Basics

Španščina: Osnove

Spanish: Basics

PROSTOVOLJSTVO

VOLUNTEERING

Član Društva gorske reševalne službe Tržič

od 2021

Member of Mountain Rescue Service Tržič

Prostovoljna učna pomoč v Mladinskem centru Tržič

2024

Pro bono tutoring of socially disadvantaged children.

Načelnik alpinističnega odseka Tržič

od 2024

Head of the alpinistic association Tržič

ALPINIZEM

ALPINISM

Kategoriziran športnik pri Olimpijskemu komiteju Slovenije

od 2024

Categorized athlete at the Olympic Committee of Slovenia

Najperspektivnejši alpinist Slovenije v 2024

Best young Slovenian alpinist of 2024

Smeri

Routes

- Črna Wolga, 7a, 1700m, Kotina 4810m, Kirgizistan, Andrej Jež, Urška Kešar
- Italian route, 7a M4, 700m, Saint-Exupery 2550m, Patagonija, Martin Belhar
- Beyond good and evil, ED2 M6, 600m, Aiguille des Pelerins 3318m, Francija, Andrej Jež
- Spominska smer Grege Lačna, IX–, VII – VIII, 500m, Triglav 2864m, Jakob Šparovec
- Pik Sibirije, Severni greben, IV+, II – III, Kirgizistan, solo