

Veronika Hendrychová

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github.com/vercah

Updated in May, 2025

EDUCATION

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|---|----------------|
| Czech Technical University in Prague, Faculty of Nuclear Sciences and Physical Engineering (FNSPE CTU) Master's degree in Mathematical Computer Science | 2024 - PRESENT |
| École Normale Supérieure, Rennes, France Two-semester Erasmus stay, 1st year of Master's degree in Computer Science | 2023 - 2024 |
| FNSPE CTU Graduated with honors from bachelor studies in Mathematical Computer Science | 2020 - 2023 |

AWARDS

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| Miroslav Petrusek Award Charles University Award for Representation and Promotion, awarded as a group | 2025 |
| Stanislav Hanzl Award Czech Technical University award for gifted students | 2024 |
| FNSPE CTU Award for gifted students Financial award for publishing university work in a journal | 2024 |
| 3rd and 2nd place in the Rektorys Competition Presentations of CTU students' scientific works | 2024, 2023 |
| "Super Bachelor Thesis" Award of FNSPE CTU Faculty bachelor thesis award | 2023 |
| Scholarship of the Czech Literary Foundation Travel scholarship for my visit to Inria, France, to present my bachelor thesis | 2023 |
| Merit Scholarships of FNSPE CTU Excellent grades, graduation with honors | 2021, 2023 |
| General Alois Liška Award Numerous high-school competitions and olympiads | 2017 |

PRESENTATIONS

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|---|------------------------|
| Inria, Rennes, France Presented "Mathematical modeling of phylogenetic compression" for the GenScale team | 2024 |
| DSB, Montpellier, France Presented "Mathematical modeling of phylogenetic compression" | 2024 |
| CIRM Week of CoW, Marseille, France Invited talk on "String attractors of Rote sequences" | 2024 |
| Student conferences of the TIGR Research Group, Czechia Talks on the topic of String Attractors | 2025, 2024, 2023, 2022 |
| SeqBIM, Lille, France Presented "Mathematical model of phylogenetic compression" | 2023 |

PUBLICATIONS

Dvořáková L., Hendrychová V., "[String attractors of Rote sequences](#)"

2023

Accepted to Discrete Mathematics & Theoretical Computer Science

PROJECTS

Mathematical Model of Phylogenetic Compression

2023 - PRESENT

Diploma thesis under Dr. Karel Břinda (Inria, France)

String Attractors of Pseudostandard and Rote Words

10 months, 2022 - 2023

Bachelor thesis under Prof. Ľubomíra Dvořáková (CTU, Czechia) and Dr. Karel Břinda (Inria, France)

Constant Gap Sequences

1 month, 2021

Project of interest under Prof. Ľubomíra Dvořáková (CTU, Czechia)

CERN HSS Internship Programme, Switzerland

2 weeks, 2017

Internship in CERN for 24 selected high-school students from Czechia

Other projects published at <https://github.com/vercah>

TEACHING, TUTORING

Teaching Assistant in Linear Algebra (FNSPE CTU)

2 semesters, 2024 - 2025

Leading exercise sessions of Linear Algebra

Lecturer at Science summer camps for children (FSci CUNI)

2018 - 2023

Created and lead various physics programs for children aged 10-15

Project supervisor at Science Week (FNSPE CTU)

2 days, 2023

Supervised group of high-school students

Math and English Tutor

2019 - 2020

Individual tutoring of a middle-school student

WORK EXPERIENCE

IT developer and support of FYKOS

2020 - PRESENT

Development and deployment of static websites and a web app database in Nette, SQL, bash

Core member of FYKOS (FMP, CUNI)

2020 - 2025

- Students' group at the Faculty of Mathematics and Physics, Charles University
- Organizing several major annual events and international competitions in physics for high-school students
- In-person events ranging from educational experience camp for 40 best participants to an international competition in Prague for ~1,200 participants; online competitions up to ~4,500 participants from 63 countries

Operations staff at the Program on AI and Reasoning (PAIR)

2025, 2024

Two-week world-international camp for 25 selected students, focused on AI and applied rationality

Database administrator and organizer of Science Week (FNSPE, CTU)

3 months, 2022

One-week event for 150 high-school students, focused on popularization of physics

LANGUAGES

- **Czech** (native speaker)
- **English** (C2, CAE Certificate)
- **Spanish** (~B1)
- **French** (~B2, 1-year stay in France)