

# Yehor Korotenko

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## PROFILE

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Software Engineer with 6 years of experience. Currently focused on applied mathematics research in numerical analysis.

## EDUCATION

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**École Polytechnique de Paris** Palaiseau, France  
*Engineering Degree, Equivalent to Masters Degree* Aug 2026 — July 2030

**Université Paris-Saclay** Orsay, France  
*Bachelor's of Science, Computer Science and Mathematics (Third year)* Aug 2023 — May 2026

- Cumulative GPA: 16.7/20 | top 2 student | FMJH Scholarship
- Relevant Coursework:
  - Probability, Optimisation, Functional Analysis, Group Theory, Linear Algebra, Numerical Analysis, Differential Equations
  - Compilers, Formal Methods, Machine Learning, Natural Language Processing, Deep Learning
- Created and distributed trilingual (French/Ukrainian/English) lecture notes with visual explanations for Linear Algebra 2 and Topology, used by the students in my cohort ([notes](#))

## WORK EXPERIENCE

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**Research Engineering Intern** June 2026 — July 2026  
Laboratoire Interdisciplinaire des Sciences du Numérique *Gif-sur-Yvette, France*

- Evaluating NLP tools
- Creating and contributing to educational tools

**Independent Software Engineer** Sept 2025 (contracted: Nov 2025) — pres.  
CentraleSupélec *Gif-sur-Yvette, France*

- Leveraging adaptive machine translation to assist collaborative authoring and maintenance of large multilingual computational scientific narratives (continued to work on the project from LISN).

**Research Intern** May 2025 — July 2025  
Laboratoire Interdisciplinaire des Sciences du Numérique *Gif-sur-Yvette, France*

- Leveraging adaptive machine translation to assist collaborative authoring and maintenance of large multilingual computational scientific narratives.
- Results presented as an extended abstract and a poster at JDSE 2025

## PROJECTS

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**lesia** (<https://github.com/DobbiKov/lesia>) May 2025 — Present

- A research based toolchain to maintain multilingual documents with style and syntax preservice.

**LogGit** (<https://github.com/DobbiKov/loggit>) Mar 2025 — Apr 2026

- A lightweight, easy-to-use logging library for Rust.

**Music analysis and sorting algorithm** <https://github.com/DobbiKov/melodic-track-mixing-lib>

- Created a tool to analyze track tonality and sort music by musical keys.

**Lecture Notes** [https://korotenko.com/lecture\\_notes#section-additional-resources](https://korotenko.com/lecture_notes#section-additional-resources)

- A set of mathematical notes that are aimed to explain complex topics of bachelor level in a very intuitive way using LaTeX, Typst and manim animations.

## CONFERENCE CONTRIBUTIONS

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Korotenko, Y. (2025). Leveraging Large Language Models for Maintaining Scientific Multilingual Documents. Poster presentation (extended abstract). Junior Conference on Data Science and Engineering (JDSE) - Gif-sur-Yvette, France.

- Available on OpenReview
- Poster: <https://dobbiKov.github.io/sci-trans-git/jdse-poster-yehor-korotenko.pdf>

## SKILLS

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- **Programming Languages:** Python, Rust, OCaml, C++, C#, JavaScript
- **Web Development:** ASP.NET Core, Angular, React, MySQL
- **Data Science:** Pandas, Matplotlib, NumPy, scikit-learn
- **Other Tools:** Requests, Selenium, SQL
- **Version Control:** Git, GitHub, GitLab

## LANGUAGES

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- English (C1)
- French (C1)
- Ukrainian/Russian (native)

## INTERESTS & EXTRACURRICULAR ACTIVITIES

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### Scouting

Sept 2017 — Present

- Active scout since age 12, organizing and participating in international events.
- Member of [Scouts of Ukraine](#) organization and [Scouts of Dnipro](#) association.

### DJ

Mar 2021 — Present

- Enjoys creating music and performing as a DJ during free time.