



CONTACT

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LANGUAGES

- French (native)
- English (C2)
- German (B2/C1)

EDUCATION

2020-2024 HEP Lausanne

- Master's degree in disciplinary didactics – computer science
- Master's thesis: explicit teaching of systematic debugging and skill transfer (supervisor : Engin Bumbacher)

2015-2019 HEP Fribourg

- Bachelor's degree in preschool and primary education
- Bachelor's thesis, supervisor: Samuel Heinzen

TECHNICAL SKILL

- Generative AI (text/speech/video);
- REST APIs & webhooks; n8n;
- Microsoft 365/SharePoint/OneNote;
- ComfyUI, Blender, Unity;
- Python; JavaScript; C#; HTML/CSS.

CORE COMPETENCIES

- Research methodology and data analysis
- Pedagogy, didactics, and training skills
- Proficient in digital tools
- Scientific communication and popularization
- Teamwork and interdisciplinary collaboration
- Adaptability and initiative
- Creativity
- Problem solving

NICOLAS TUOR

- MASTER OF SCIENCE IN SUBJECT-SPECIFIC DIDACTICS (COMPUTER SCIENCE)
- BACHELOR OF ARTS IN PRIMARY EDUCATION

PUBLICATIONS

- Tuor, N., El-Hamamsy, L., Chevalier, M., Brender, J., & Bumbacher, E. (2025). Explicitly Teaching Debugging in Primary School: Effectiveness, Transferability and Durability. Proceedings of the 25th Koli Calling International Conference on Computing Education Research. ACM.
[DOI: 10.1145/3769994.3769999](https://doi.org/10.1145/3769994.3769999)

PROFESSIONAL EXPERIENCE

- **Occasional substitute teacher** 2019-PRESENT
 - Teaching at various primary school levels
 - Schools of Masonnens, Villa-Thérèse, Praroman, Echarlens, Chénens et Vuisternens-devant-Romont, Bourg (current)
- **Certificate of advanced studies in digital education** 2024
 - Training day delivered at HEP Fribourg (Computer science and Society)
- **Master's internship - research & training** 2022-2023
 - 6-month internship at HEP Fribourg, within CRE/ATE (Supervisor: Lionel Alvarez)
- **Civilian service**
 - Refugee support at the federal asylum center in Guglera (1 month)
 - Archival assistant, 2 months at the State Chancellery of Fribourg (2022-2023)
 - Academic, administrative and technical support, long-term assignment at Jean-Piaget High School in Neuchâtel (09.09.2019 - 03.07.2020)
 - Archival assistant, 1 month at the Fribourg Cantonal Hospital (2017)
- **Primary school teacher** 2020-2021
 - Teaching in 5th Harmos year (8-9yo), Corminboeuf Primary School
- **Various jobs**
 - Member of ETUCOM, HEP Fribourg student committee (2017-2019)
 - Receptionist at Hotel Elite, Fribourg (2016-2017)
 - Internship at Saint-Etienne care home for youth (2013)
 - Security guard at Phoenix Security (2012-2017)

ADDITIONAL TRAINING

- Archiving and records management (half-day, Château de Neuchâtel, M. Oguey & M. d'Epagnier)
- Civil service courses: communication and supervision; "working with adolescents" 1 & 2 (1 week per course)
- SPHAIR Program (pilot training, 2 weeks)
- Security guard and regular training (Phoenix Security)

INTERESTS

- Scientific popularization
- Astronomy / Astrophotography
- Rowing (competition level, 2005-2011)
- Improvisational theatre
- Passion for learning
- Martial arts
- Critical thinking