



NATHALIE BORGOGNON

INSTRUCTIONAL TECHNOLOGIST | UX
RESEARCHER | SOFTWARE ENGINEER

CONTACT

	Bandrain 12 CH-3232 Ins, Bern		https://nathalie.borgognon.ch
	+41 76 822 61 46		LinkedIn natbgn
	nathalie@borgognon.ch		Twitter natbgn

ABOUT

Multitalented specialist passionate about the digitalization of processes and human activities through professional projects since 1997

- Holder of a BSc & a pre-MSc in Computer Sciences and a MSc in Technological Education
- Convinced that collective intelligence can lead to the success of multidisciplinary projects with stakeholders from different fields
- Curious to continuously improve methods and tools useful to understand human being and his working environment for computational artefacts and instructional design

WORK EXPERIENCE

Teaching and Research Assistant ∴ Centre Universitaire d’Informatique (CUI) | University of Geneva

<https://cui.unige.ch/>
September 2021 – Present | Fixed-term contract

- Teaching and assistance for three semester courses: Introduction to Programming (French & English Courses), Multimedia Services and Technologies, Multimodal and Affective Interaction

Lecturer UAS ∴ School of Engineering and Architecture of Fribourg

<https://www.heia-fr.ch/>
February 2022 – Present | Fixed-term contract

- Teaching for one semester course: Human–computer interaction 1

Quality and Project Manager ∴ Techwan | An Everbridge Company

<https://www.techwan.com/>
January 2020 – February 2021

- - Organisational facilitation in fields of cross-functional internal communication, software and test engineering best practices and Lean/Agile practices

Highlights

Design thinking workshop to develop a common continuous software quality action plan

Training Coordinator ∴ Rollomatic

<http://www.rollomatic.ch/>
March 2019 – November 2019

- Co-writing of the macro pedagogical scenarios of all customer training courses
- Release of six new training catalogs, for each corporate trade skill at Hannover Messe 2019

Highlights

Design thinking workshop to develop a common training charter for the training catalogs

Research and Teaching Student Assistant ∴ Technologies de formation et apprentissage (TECFA) | University of Geneva

<https://tecfa.unige.ch/>
October 2016 – January 2019 | Fixed-term contract

- Teaching and assistance in Human-Computer Interaction & Ergonomics during three semesters
- Development of a tablet game for learning sounds for implanted deaf children

Highlights

Coaching students in persona writing, user recruitment, storytelling interviews, user testing

Software engineer ∴ OXAND

<https://www.oxand.com/oxand-simeo/>
April 2010 – June 2012

- Development of risk management and rail transport software

Research and Teaching Student Assistant ∴ Department of Informatics (DIUF) | University of Fribourg

<https://www.unifr.ch/inf/>
January 2008 – July 2009 | Fixed-term contract

- Teaching and assistance for two semester courses: Software Engineering & Robotics Project

Highlights

Proposal and implementation of a programming training course with robots e-puck (EPFL)

Software engineer ∴ Laboratoire de Systèmes Robotiques (LSRO) | EPFL

<https://archiveweb.epfl.ch/lstro.epfl.ch/index.html%3Fp=1145.html>
May 2006 – February 2007 | Fixed-term contract

- Development of a robot controller simulator - server side

Highlights

European research project PICO participation in computer aided surgery field

Software developer ∴ Nestle | Unicile (Acquired by IBM)

<https://www.nestle.com/> | <https://www.linkedin.com/company/unicile/>
June 2003 – February 2006 | Fixed-term contracts

SKILLS

Software engineering 4 - Specialist

Java, C#, C++, VBS

Unity 3D

Ant, Makefile

JavaScript ES6, HTML5, CSS

XML, SQL, Oracle, MS SQL Server, MySQL

Web Services, Corba

TDD, Unit-functional-E2E automation tests

GOF Design Patterns

GIT, SVN, VSS

Teaching 4 - Specialist

Learning outcomes

Learning & teaching activities

Feedbacks & assessments

Individual & group training, workshops

Project Management 3 - Skilled

Project follow-up

Agile processes and methods

Azure DevOps Kaban board, Jira

User experience research (UX) 2 - Average | 3 - Skilled

Design Thinking

Tests and research methods

Interaction design

Axure RP

EDUCATION

<div><div>(expected)</div><div>2026</div><div>2021</div></div>	<div><div>University of Geneva</div><div> PhD Student in Information Systems</div><div>Geneva School of Economics and Management</div></div>
<div><div>2020</div><div>2015</div></div>	<div><div>University of Geneva</div><div> Master of Science in Learning and Teaching Technologies</div><div>Faculty of Psychology and Educational Sciences Blended-learning education</div><div>Courses / Highlights</div><div><div>Thesis: User-centered interactive educational devices development</div></div></div>
<div><div>2009</div><div>2007</div></div>	<div><div>University of Fribourg</div><div> Pre-Master of Science in Computer Science 60 ECTS gateway</div><div>Department of Informatics (DIUF)</div></div>
<div><div>2005</div><div>2000</div></div>	<div><div>School of Management and Engineering Vaud</div><div> Bachelor of Science in Software Engineering</div><div>Computer Science and Engineering Evening education</div><div>Courses / Highlights</div><div><div>Thesis: Mobile application for bank advisors client interviews</div></div><div><div>SETEVIA 2005 school year Award</div>for merit, hard work & determination</div></div>

CERTIFICATIONS

<div><div>Present</div><div>2014</div></div>	<div><div>Federal Office of Sport</div><div> Certification</div><div>J+S Sports instructor for youth and kids</div></div>
--	---

VOLUNTEER

<div><div>Girls coding club Mentor Mathematics and Science Ambassador ∴ EPFL Etat de Vaud</div><div>April 2021 – Present</div></div>
--

- Encouragement of young girls in the field of computer science, science and mathematics.

Trainer ∴ At3flo | FabLab Neuch

August 2014 – Present

- Digital manufacturing training and participation in external events

Highlights

Co-edition of an open e-book: Laser cutting in education

LANGUAGES

French - C2	Native
German - B2	Professional working proficiency
English - B1	Professional working proficiency