



CYPRIEN FOL

March 7, 1995

Swiss, French, Peruvian

Single

CONTACT



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CH – 8057 Zürich

CONFERENCES

2024: CHI24, Hawai'i

2023: 2nd GEOBENCH, Krakow

2022: XXIV ISPRS Congress, Nice

AWARDS

- Young Researchers' Exchange Programme (FY2022 JSPS)
- Travel Grant ISPRS, 2022.
- 2nd in «Don't use the playground jam », gamejam organised by img.ly

LANGUAGES

French: Mother tongue

English: C2

German: B2.2

Spanish: C1

HOBBY

Sports : football for years, regular practise in running and tennis

Association : Robopoly at EPFL, ARIS at ETHZ

EDUCATION

09.2021 – today

ETH Zurich, PhD Candidate in Immersive Virtual Forest
- Extended reality visualization for enhanced biodiversity inventory and communication.

02.2023 – 05.2023

Tokyo University, Research visit of XLAB
- Developed of a cross-platform mixed reality application for tree inventory in collaboration with Prof. Yasuaki Kakehi.

09.2018 – 02.2021

ETH Zurich, Master in Geospatial Engineering
- Major in *Space Geodesy and Navigation & Engineering Geodesy and Photogrammetry*.
- Master Thesis: *Projected Augmented Reality using Sensor Fusion*.

09.2015 – 08.2018

EPF Lausanne, Bachelor in Environmental Sciences and Engineering
- Certificate of teaching assistant.
- EPFL certificate in C++ in coursera.

WORK EXPERIENCE

05.2021 – 09.2021

V-LABS, Geneva – MR (Mixed Reality) Developer
- Prototyped a 3D scanner using mixed reality headset for open trenches on construction sites.
- Enhanced the alignment accuracy of 3D models depicting underground facilities at construction sites.

11.2018 – 06.2020

Fixposition, Zurich – Part-time Employee
- Interpreted and evaluated NAV-RTK GNSS sensor data.

08.2020 – 09.2020

UZH, Zurich – VR (Virtual Reality) Developer
- Designed multiple virtual environments to assess the influence of various settings on human diction.

01.2020 – 07.2020

ETH Zurich – Research Assistant
- Update AWATOS (Atmospheric WATER vapor Tomography) Software written in C++.

PROGRAMMING SKILLS

Mixed Reality :

- Developed applications for Hololens : language teacher based on object detection (Yolov3), restaurant menu.

Virtual Reality :

- Imagined a city tour with scans of hidden place in Zürich
- Reconstructed and set-up a virtual visit of the St. John Chapel in Müstair, UNESCO world heritage.

Sensor fusion :

- Estimated trajectory of the EULER rocket based on fusion of accelerometer, barometer and GNSS receivers.

PUBLICATIONS

1. "Evaluating state-of-the-art 3D scanning methods for stem-level biodiversity inventories in forests", 2023. International Journal of Applied Earth Observation and Geoinformation.
2. "Feasibility Study of Using Virtual Reality for Interactive and Immersive Semantic Segmentation of Single Tree Stems", 2022. The International Archives of the Photogrammetry Remote Sensing and Spatial Information Sciences
3. "SemSpray: Virtual Reality As-Is Semantic Information Labelling Tool for 3D Spatial Data", 2022. 2022 European Conference on Computing in Construction.