CV
Guillaume Pfundstein

Full Name: Guillaume Valentin Pfundstein

Date of Birth: 13 November 1996

Nationality: French

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Education

- **Master of research in environment and geography (GEOSPHERES)** - École des Mines de Saint-Étienne, France, 2021-2022 - with honours
  Description: Courses in remote-sensing, 3D photogrammetry, geomorphology, consequences of the climate change on high mountains
- **Mountain leader training** - CNSNMM, Prémanon, France, 2019-2021
- **Civil engineering program** - École des Mines of Saint-Étienne, France, 2016-2019
  Description: Courses in natural sciences (geology, hydrology), mathematics, physics, computer science (C, Java, Matlab)
- **Classes préparatoires aux grandes écoles** - Lycée Gustave Eiffel , Dijon, France, 2014-2016
  Description: Intense courses in mathematics, physics, general engineering (mechanic, electricity, strength of materials) and programming (Python, Matlab)
- **Baccalaureate** - Lycée Jules Haag, Besançon, France, 2014 - with high honours

Work Experience

- **Geomatics engineer** - Geomatyx, self-entrepreneurship, 2023
  Description: I have created my own activity in geomatics that spans three areas: photogrammetry 3D, software development, and field mission.
- **Remote-sensing internship** - Earth science department of the University of Bergen, Norway, March to July 2022
  Description: I worked on a project to determine the evolution of the Folgefonna glacier during the last century by computing several Digital Elevation Models from aerial images.
- **Web-designer** - Cosmos Creative, entrepreneurship, 2020-2022
  Description: I co-created an enterprise to develop websites (with CMS: Wordpress, Strapi) and web-applications (with frameworks: React and Astro)
- **Hydrogeology internship** - Department of earth science of the University of Abitibi-Témiscamingue (UQAT), 2018
  Description: I collaborated with a PhD student to characterize a drainage basin of the James Bay in Quebec. I worked on water-flow sensing using an ADCP, conducted ice analysis, and analyzed water samples from kettle lakes. The analyzed water sample provide an insights into how Canadian glaciers flowed during the Last Glaciation period.

Skills

- Languages: French (Native), English (Professional), German (B2)
- Programming languages: Python, JavaScript, CSS, PHP, HTML
- Softwares: Agisoft Metashape, Arcgis, Qgis
- Operating systems: Linux, Windows
- Other: Git, Microsoft Office

Others

- Ski touring, trekking (crossing of the New-Zealand - 1400km), bicycle travelling (solo-crossing of the north America, 5800km - 42 days), climbing, trail
- Reading, philosophy, writing (I have a passion for thinking and writing to understand the problems humanity is facing this century. With a relativist approach and by maintaining a positive outlook, I seek subtle solutions adapted to our complex world.)

Attachment files

Master's thesis: Click here (on a navigator) or (on a local software)

Master's diploma: Click here (on a navigator) or (on a local software)