Zaur Bayramov

Seismology&Satellite Geodesy

I hold a bachelor's degree in Geological Engineering, followed by a master's in Earth Sciences. Currently, I am pursuing a Ph.D. in Seismology and Satellite Geodesy at Unistra.

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Core business

PHASE 3 **Skill development**

On seismological side, I have developed skills to process seismological data including automatic detection and association of seismic picks and location/relocation of seismic events. On the geodetic side, I have developed skills in processing and analysis of InSAR data.

Knows how to tap the extensive professional network that he has patiently built.
Knows how to appoint a team of high-potential staff to work with him.
Actively monitors new trends in both the field and the skills vital to developing new projects.
Continually develops his managerial skills.

PHASE 1 **Evaluation**

I assess the quality and reliability of automatically generated seismic and InSAR data manually and by applying statistical analysis. I have developed the habit of reporting both the strengths and weaknesses of my findings.

Evaluates the value of various documents concerning his field of expertise.
Is able to judge his own results in terms of both quality and added value.
Is willing to expose ideas to a critical audience; takes others' opinions of his work into account.
Is willing to evaluate the work of other contributors and provides reasoned, realistic judgments of others' work.

PHASE 1 **Information management**

I use Zotero, bibliography management software, to efficiently collect and organize bibliographic references. Besides materials in English I collect Russian and Azerbaijani bibliographies, for effective sourcing of previous published materials. I also use Seafile, a secure file synchronization and sharing platform with my supervisors, to store and access research documents and data. Additionally, I use Obsidian, a note-taking tool, to create structured and interconnected notes.

Knows how to review the state of the art (SOTA) in a scientific topic.
Makes efficient use of information-gathering methods, identifies pertinent resources, particularly bibliographic resources.
Masters web-based research (e.g., bibliographic databases, patent databases)
Knows how to judge the pertinence of information, critique sources and check source reliability.
Designs and implements information-gathering and management systems using suitable technology.

Addresses issues relating to the security and life cycle of data.
Seeks out support from experts in information and data management.

Personal and relational qualities

PHASE 1

Communication

I communicate with my supervisors on a weekly basis, regardless of my research location, by sharing recent findings and receiving feedback. Additionally, I give seminars and attend conferences to present my findings to the scientific community. I have experience supervising L0 to M1 students, providing guidance and support in their research projects. I am also involved in lectures, practical sessions, and field trips.

Knows how to put together a persuasive presentation and communicate about his project or his activity.
Understands, interprets and communicates appropriately in a register suited to his aims and his audience.
Masters a range of communication tools.
Masters his online identity.
Contributes to the dissemination of knowledge within the company, and demonstrates effective teaching skills.
Is proficient in at least English and one other world language.

PHASE 1

Collaboration

I collaborate with the researchers who are interested in the Caucasus region to stay updated with the latest findings and knowledge exchange.

Develops and maintains cooperative networks.
Knows how to build a professional network for his own and the company's benefit.
Is considered an authority in his field of expertise.
Is able to envisage his work in a partnership framework; evaluates the benefits and limitations of a partnership and identifies shared and conflicting interests.

PHASE 1

Balance

I manage my time and responsibilities by maintaining a balanced time and effort for both the seismological and InSAR aspects of my research. Additionally, I spend neccesary time on administrative tasks and teaching responsibilities of my PhD study.

Is aware of his aptitudes, knows how to take advantage of them and demonstrate them.
Expresses himself relevantly, confidently and didactically.
Recognizes the limits of his knowledge, skills and expertise, and knows where to find support when needed.
Is able to consider his practices and experience as part of the bigger picture.
Develops his strengths and knows how to correct his weaknesses by seeking the opinion of others.
Is aware of the need to reconcile career and personal life.
Develops mechanisms to cope with pressure and seeks support when needed.

Business management and value creation

PHASE 1

Project management

Before initiating any project, I discuss it with all my supervisors to ensure alignment and gather their feedback. I collect information from local and international sources, and methodologies are extensively discussed with my supervisors. If necessary, additional experts are consulted. Moreover, I follow deadlines when delivering content for conferences.

Plans projects to meet goals in accordance with strategy and priorities, and taking quality, deadline and budget constraints into account.
Knows how to write specifications.
Is accountable for resources used and for meeting the deadlines and quality requirements of the deliverable.
Reacts efficiently and appropriately to change and unforeseen events.
Conducts his project within a framework of auditing and evaluation, deploying the appropriate systems.

PHASE 1 Managing change

I effectively manage every 6-month change in their academic environment between Azerbaijan and France as a co-tutelle student. To adapt to this change, I use remote connections to continue working on INSAR/seismological processing from Azerbaijan. I maintain weekly basis communication with my supervisors to share findings and problems I face. Additionally, I benefit from the guidance and support of my supervisor in Azerbaijan, who assists me for local PhD procedures and data collection.

Can adapt his approach and the project organization according to imperatives.
Adapts to changes and opportunities; knows how and where to find advice.

PHASE 1 Obtaining and managing funding

I receive a PhD scholarship for six months each year from the French Embassy in Baku. I also get funding for conference trips from the SISMO team at the Institut Terre et Environnement de Strasbourg (ITES). Moreover, I have secured funding for annual winter and summer schools, travel expenses, and conferences through my successful membership in the Programme Doctoral International. This funding is secured for the entire duration of my PhD.

Manages his own funding and is comfortable in discussions with budget, financial and economic decision-makers.
Understands the funding process and knows how to determine the profitability of an activity.
Knows how to answer a request for proposals and/or write a grant application.