

American Friends of Arts & Metiers ParisTech
Attn: Benhamou Global Ventures, LLC
540 Cowper Street, Suite 200
Palo Alto, CA 94301-18069



Dear ParisTech Arts & Metiers,

I hereby, Ludivine Boche-Sauvan, give my full authorization to publish the content of this letter on your website in recognition of the financial support that you have provided me with.

Full Name: Ludivine Boche-Sauvan

Date: 07/02/2010

Signature:

-
1. Name of student, background, professional aspirations (1 paragraph, 5 lines)
 2. Please tell us how you were able to get your internship, and the date and length of your stay (1 paragraph, 5 lines)
 3. Please tell us the company or university where you interned and the objective of your internship (1 paragraph, 10 lines), and why you were excited to work there. (1 paragraph, 10 lines)
 4. Please tell us how you used the funds provided by American Friends of Arts et Metiers (1 paragraph, 5 lines)
 5. Please summarize your internship, how you achieved the company/university's objectives (1 paragraph, 5 lines), as well as your own personal goals and lessons from this experience (1 paragraph, 5 lines), and finally how this impacted your professional aspirations (1 paragraph, 5 lines).

1. In the aim of working in the Aerospace field, I followed the French and American degree of Arts et Métiers ParisTech (Paris) and GeorgiaTech (Atlanta). In order to complete my general engineering foundation, I took part in three space summer schools and spent two internships in the European Space Agency. The two first summer schools, Ariane Cities Community and Alpbach summer school were European. The last one was international with the International Space University, and hold in NASA Ames (Moffett Field, California), it was the object of my internship.
2. ISU (International Space University) selects the candidates who apply on their website. From a CV, a coverletter and a questionnaire, they selected 132 people; students, engineers, scientists, lawyers and managers from 53 different countries. All work or are at least interested in the space field. This summer school was hold in the NASA Ames Research Center in Moffett Field (California) from 25th June 2009 to 30th August 2009 (2 months). This led to a Certificate, after exam and team work evaluation.
3. International Space University is an international school based in Strasbourg. Added to its different space Masters, it organizes a space summer school, named SSP (Space Studies Program), in a different place each year. This training has three phases. In the first one, all the attendees receive a core background through lectures in Engineering, Satellite applications, Sciences (Physics and Biology), Management, Policies, Laws,... The aim is for everybody to understand the space field of the others, and learn from them. For the second phase, the attendees choose one of these fields, They are suggested to not choose from their background. Knowing from Engineering, I chose Satellite Applications and learnt about instruments and image analysis. The last phase was a team work, we were 49 in my team, working on Disaster Risk Management, and supported by the World Bank.

I was excited to work and learn in such an international atmosphere. From all the continents, we all had the same passion for Space Field, and learnt a lot from each other. Different backgrounds, but also different way of working and organizing a team through different cultures. Moreover, we were hosted by a prestigious space country, the USA, in one of its historical centers which made its reputation. Visits of the facilities and other American companies (Loral Space Systems for example) were really interesting. The lecturers were from all over the world, teaching their specialty and inspiring us. Some

American Friends of Arts & Metiers ParisTech
Attn: Benhamou Global Ventures, LLC
540 Cowper Street, Suite 200
Palo Alto, CA 94301-18069



of them are former astronauts! ISU also organized regularly (about every week) a panel with prestigious speakers to talk about current space challenges or historical facts.

4. The ISU Space Summer Program costs 17500€ for the lectures, events, use of facilities, bedrooms and meals. I got a scholarship from the French Space Agency (CNES) of 12000€ and one from Arts et Métiers ParisTech of 2500€. Then I would use the financial help from the American Friends of Arts et Métiers to complete the 3000€ needed (for which I took a loan).
5. During this training, I first learnt from the lectures, then about Satellite Applications and used it and my background to work with my team on Disaster Risk Management. In a team of 49 people, we spread in different sub-team according to our skills and wishes. We, the 8 in "Risk Analysis", understood the previous work on Risk Evaluation led by CAPRA, a new software supported by the World Bank to help in Central America. CAPRA creators were interested in the implementation of Space Applications to get sufficient data to enter in their process.

My own goal was to open my general space knowledge to other fields (sciences, policy and law, ...) and to other cultures (my previous summer schools were European). I feel that I fulfilled it, I even learnt a lot about space programs from emergent countries, and I saw the achievement of a completely international teamwork. This experience reinforced even more my willing in working for the space field.

The International Space University Space Studies Program brought me an overview of space fields, I will therefore better understand what my role is at work. I also got a wildly international and multi-background network, which I can hope to find some of them in my career. The aspirations and ideas of some of the attendees also inspired me, and opened my vision of possibilities in space projects.