

Dear American Friends of Arts & Metiers ParisTech,

I hereby, *Jacques Barbe*, give my full authorization to publish the content of this letter on your website in recognessence of the financial support that you have provided me with.

Full Name: Jacques Barbe

Date: 12 September

Signature

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1. Name of student, background, professional aspirations (1 paragraph, 5 lines)

I am Jacques (71Li209). Over the past years I have been moving a lot, sometimes despite I would have liked. I got into Arts et Métiers Lille in 2009. Then I have been sent in Cluny for my second years. I did my first year internship in England.

2. Please tell us how you were able to get your internship, and the date and length of your stay (1 paragraph, 5 lines)

As I have been told for 2 years in Arts et Métiers, you have to build and use your network. I have been introduced to a person working in Faiveley who put me through the HR. At the beginning they told me they could not pay for my visa, thanks to AFAM I was able told them that I would have other support that could help me.

3. Please present the company or university where you interned and the objectives of your internship (1 paragraph, 10 lines), and why you were excited to work there. (1 paragraph, 10 lines)

I have been working in the train equipment company Faiveley Transport. It's activities in separate on 2 markets: freight (carrying of goods) and transit (carrying of people). For freight they make or assemble couplers, brakes, pneumatic and hydraulic valves and distributors. It can get really interesting when you realized that freight wagon don't have any electric equipment. For transit they make or assemble air conditioning, electronic, electromechanically, brakes and couplers, platform doors and gates and what has been mainly the point of my internship: train doors.

I have been working on doors for the new Bombardier Transport people mover. It is a small vehicle supposed to equip Jeddah airport in Saudi Arabia.

4. Please tell us which expenses which will be covered by the funds provided by American Friends of Arts et Metiers (1 paragraph, 5 lines)

Leaving for the US is a real investment, with 1300€ of Visa fees plus more than 1000€ of planes tickets the beginning of the internship was difficult. AFAM funds helped me to get settle, to buy some furniture, to pay for apartment caution, Internet installation, gas,... I am very grateful to AFAM. Without them I probably wouldn't been able todo this internship, at least without a loan.

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).

I worked on the construction of a cycle test mock-up for train doors for Bombardier. I had to go through pre study, design, fabrication, test, validation and deliver to the client.

It was a really good experience and I learn a lot in term of self management. I also took the opportunity to teach myself on different technics. For example, Faiveley is not using Catia but ProE I obviously had to learn about it

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for my job but I also tried to go even further and practice on stuffs that didn't know and not only on stuff that I need for my job.

I really think I found my field. I was at first interested in aeronautical at first but I was also looking for a sector that has promising future. I didn't want to work for car industry which seems to be too massive and competitive. Rail was the perfect choice. It's a small world with good perspectives.