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Yann Le Tallec

EDUCATION

September 2002 –
May 2006 (expected)

Massachusetts Institute of Technology

Cambridge, MA, USA

PhD Candidate in Operations Research. Concentrating in optimization, control, statistical machine learning, and stochastic processes with applications in operations management, computational biology, biomedical and social sciences.

2000 - 2002

Ingénieur de l'Ecole Polytechnique (Master of science) Palaiseau, France

- Broad curriculum in natural sciences with emphasis on decision sciences: applied mathematics, computer sciences and economics.
- Business administration courses including entrepreneurship seminar with the business school Hautes Etudes Commerciales (France).

1997 - 1999

Lycee Louis-le-Grand

Paris, France

Bachelor in mathematics and physics.

EXPERIENCE

January 2004 –now

Massachusetts Institute of Technology

Cambridge, MA, USA

- Developed statistical techniques to learn dynamical models from data.
- Investigated new robust formulations and optimization methods for decision-making under uncertainty and risk.
- Researched on the joint admission control and scheduling of orders of a make-to-order manufacturer in order to maximize his long-term revenue.

September 2002 -
December 2003

Massachusetts Institute of Technology

Cambridge, MA, USA

Fall 2005

- Taught recitation and evaluated 20 MIT graduate students as a teaching assistant of the class Fundamentals of probability.

Spring 2004

- Supported and evaluated 50 MBA students as a teaching assistant of Operations Management at the MIT Sloan School of Management.

June 2003 –
August 2003

PicoPeta Simputers Pvt. Ltd.

Bangalore, India

Designed, modeled and optimized the supply chain for the Bharat Electronics Limited-PicoPeta Simputer, a people-oriented handheld computer. The supply chain design was accepted by the executive management and the first operations in 2004 were accurately predicted by my model.

May 2002 -
August 2002

Konrad Zuse Zentrum für Informationstechnik

Berlin, Germany

Designed and implemented in C++ a mathematical method to design failure-tolerant telecommunication networks.

August 1999 -August
2000

Brigade des Sapeurs-Pompiers de Paris

Paris, France

As a lieutenant at the Paris Fire Brigade, managed and trained fifty firemen at the fire station and led day-to-day technical operations including fire fights.

SKILLS

Languages: fluent in French (native), German (Zentral Oberstufeprüfung, 2001) and English, beginner in Spanish.

Dual citizenship: American and French.

Computer: Java, C, C++, matlab.

INTERESTS/ LEADERSHIP

Development. Focused on people's basic needs and interested in innovative solutions both institutional and market-driven.

Recommended an improved water filter design and business plan and proposed a sustainable growth strategy for the Kachan filter serving more than 3,000 households in Nepal in a MIT-World Bank project (2004). Contributed to a successful proposal for a \$10k grant from the US government (2005) and to the introduction of a microfinance scheme for filter purchase (2006).

Entrepreneurship, especially geared towards disruptive technologies and business processes, and development.

Participated to entrepreneurship seminars at HEC (France) and MIT (USA).

Member of the Social Entrepreneur for International Development association at MIT Sloan business school in 2002 until now.

Wrote the business plan for an internet marketplace Klekoon.com in 2002.

Volleyball. Over ten years of national competitions as the team captain (e.g. French universities vice-champion in 2000, 2001 and 2002; French military champion in 2001).

Adventure racing (orienteering, mountain-biking and kayaking). Orienteerer of the first student team in the international Raid Gauloises (Vietnam, April 2002).

Jungle survival training with the Legion Etrangère, Guyana, in September 2001.

Sailing. Cruises and regattas on big boats such as Race around France in 2001. Sailing skipper.

Traveling. Visited more than 20 countries around the world.

Student leadership. In Polytechnique, supervised dormitory life and organized social events such as dinners, travels and sport tournaments.