

ARNAUD BENARD

Chemin du Stand 14, 1024 Ecublens
+41/79.406.40.87 | arnaud.benard@epfl.ch

EDUCATION

University of California Berkeley

Master thesis, Nanotechnology

Berkeley, USA

2012-2013

- Thesis: “High-speed atomic force microscopy on soft matter” at the Molecular Foundry, Lawrence Berkeley National Laboratory - **U.S. Department of Energy Office of Science National Lab.**

Swiss Federal Institute of Technology (EPFL)

Bachelor of Science (BSc), Master of Science (MSc) in Microengineering

Lausanne, CH

2007-2012

- Semester project: Development and comparison of production strategies in supply chain management
- One-month industrial internship at the Manufacturing School of Lausanne
- Teaching assistant: Informatics I+II - **Virtual Reality Laboratory**

ENGINEERING EXPERIENCE

Scuba Probe Technologies LLC

Intern

San Francisco, USA

July-August 2012

- Scuba Probe Technologies LLC manufactures ultra-sensitive atomic force microscopy (AFM) probes optimized for nanoscale biomedical imaging and investigation of materials and interfacial processes occurring in liquids

University of Tokyo

Visiting Research Student, Advanced Mechatronics Laboratory (AML)

Tokyo, JP

August 2010

- Developed a real-time computer model for detecting 2D position of an arbitrary colored object moving in random walk (100% accurate)
- Optimized the precision of a mechatronic system by designing a new image processing algorithm
- Quoted in the publication for the improvement brought to the project

LEADERSHIP EXPERIENCE

START

Event manager, Entrepreneurship Association

Lausanne, CH

2011 - Present

- Organized from scratch the first elevator pitch contest at the EPFL's career fair (FORUM)
- Organized a business plan contest featuring a 20'000 CHF prize money

Sharing Analysis on Regional Economies (ShARE)

Development Pole Member and President

Lausanne, CH

2009 - 2011

- Published an article on Chinese entrepreneurship in China Daily (500'000 average circulation)
- Organized the handover of 24 teams in 12 countries (30% annual growth)
- Developed three new teams in England, Japan and Switzerland in one year
- Coordinated as Europe project leader a 6-month consulting project - **Social Business Towards 2020** - for the Yunus Center in Bangladesh (36 interviews of experts, 800 people surveyed and a global team of 26 students from Europe and Asia)
 - Managed 3 teams from universities in France, Portugal and Switzerland

LANGUAGE SKILLS

- French : Mother tongue
- English : Fluent spoken and written
- German : Fluent spoken and written
- Japanese : Basic knowledge

ACTIVITIES & INTERESTS

- Discovering new cultures by traveling in foreign countries (China, Japan, India, USA), skiing, swimming