Sébastien Arnold

CONTACT

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EDUCATION

University Southern California — August 2014 — Present

BS. Computer Science & BA. Mathematics

Minor in Physics, Dean's list (2014, 2015), CS honor society member, Provost Research Fellowship, Society of Women in Engineering member, Graduate classes in AI, NLP. Objective: graduation in 3 years.

ETH Zürich — September 2011 — June 2014

BS. Computer Science

German-based instruction, extended mathematical background, advanced class in parallel and distributed computing, machine learning project with Yuxin Chen, PhD student of Prof. Dr. Andreas Krause.

WORK EXPERIENCE

Nervana Systems — August 2015 — Present

Algorithm Intern - Advisor: Arjun Bansal

Development of distributed deep learning library and project in distributed deep reinforcement learning.

Information Science Institute - USC — January 2015 — December 2015

Research Assistant - Advisor: Greg Ver Steeg

Research in quantum computing and quantum machine learning within the group of Prof. Dr. Daniel Lidar.

Schneeberger — June 2014 — November 2014

Lead Developer

Development of a financial management tool for an international company. Engineering leader in a team of 4.

ETH Zürich — June 2012 — January 2014

Research Assistant - Advisor: Stefano Balietti

Development of sociological experiments with JavaScript and PHP. Project received appraisal from the European Commission and fundings for coming years.

Tooski — January 2009 — Present

Founder

Development of the leading French-speaking skiing website, and its magazine Angulation.

LANGUAGES

French & Italian: Bilingual, English: Proficient, German: Advanced, Japanese: Beginner.

INTERESTS

Sports (skiing, mountain biking, tennis), Mathematics (Deep & Reinforcement Learning, Optimization), Computing (Distributed, Quantum, Numerical)

PUBLICATIONS

A Greedy Algorithm to Cluster Specialists, Arnold, 2016, Unpublished
A Hybrid Memory Model for Distributed Deep Learning, Arnold, Hall & Bansal, 2016, Unpublished