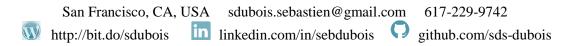
Sebastien Dubois



Education

Stanford University (CA, USA) MS in Computational and Mathematical Engineering, Data Science track	2015 - 2017 GPA: 4.0
École Polytechnique (Palaiseau, France) Diplôme d'ingénieur (MS) in Computer Science and Applied Mathematics	2012 - 2015 GPA: 3.9

Work experience

Co-founder & Chief Scientist (Menlo Park, CA, USA)

May 2017 - current

• Co-founded a stealth start-up in the travel industry

Research Assistant at BMIR, Stanford University (Palo Alto, CA, USA)

Feb 2016 - Apr 2017

- Conducted research on machine learning applications in clinical analysis using electronic health records
- Developed transfer learning methods to tackle the problem of scarce ground truth labels
- Designed unsupervised and weakly supervised algorithms to learn effective embeddings of clinical data
- Published work as a workshop at the International Conference on Learning Representations (ICLR)

Software Engineer Intern at TripAdvisor (Palo Alto, CA, USA)

Jun - Aug 2016

• Built TripAdvisor's travel discovery chatbot from scratch

Research Visitor at CSAIL, MIT (Cambridge, MA, USA)

Mar - Jul 2015

- Developed Bayesian optimization methods to auto-tune machine learning pipelines
- Featured as one of the "5 Machine Learning Projects You Can No Longer Overlook" in KDnuggets and awarded Outstanding Research Internship by Ecole Polytechnique
- Published work at the IEEE Conference on Data Science and Advanced Analytics (DSAA)

Relevant projects

Multiplayer Snake AI (team of 3)

Oct - Dec 2016

• Implemented agents based on adversarial tree search and reinforcement learning (Q-learning, policy gradients)

Transfer Learning in Reinforcement Learning (team of 2)

Oct - Dec 2016

• Investigated knowledge transfer between related tasks in Q-learning

Distributed Lasso in Spark (team of 2)

Apr - Jun 2016

• Designed distributed algorithms for L1-regularized linear regression

International & leadership experience

Summer internship at ST Microelectronics (Greater Noida, India)

Jul - Aug 2014

Leadership training in the French Army at Régiment d'Infanterie Chars de Marine (Poitiers)

Sep - Apr 2013

Skills

Programming languages	Tools	Foreign languages
Python, R, Ruby, C++, JavaScript, SQL	Git, LaTeX	French (native), English (fluent)