

CHANGQING FU

<https://changqingfu.com> ◊ cfu@ceremade.dauphine.fr
52 Avenue Charles de Gaulle ◊ 92200 Neuilly Sur Seine, France

EDUCATION

CEREMADE Laboratory, Paris Dauphine University - PSL (Paris 9) <i>PhD in Mathematics and Computer Science. Advisor: L. Cohen</i>	Dec 2019 - Present Paris, France
Paris Dauphine University - PSL (Paris 9) <i>Master 2 on Analysis and Probability (PDE). Advisor: O. Mula, R. Ryder</i>	Sep 2018 - Aug 2019 Paris, France
Paris Diderot University - USPC (Paris 7) <i>Master 1 on Stochastic Modeling. Advisor: A. Zilio</i>	Sep 2017 - June 2018 Paris, France
Fudan University <i>Bachelor, Mathematics, Information and Computing Science. Advisor: L. Shi</i>	Sep 2013 - Jul 2017 Shanghai

PUBLICATIONS

- Changqing Fu and Laurent D. Cohen. [Geometric deformation on objects: Unsupervised image manipulation via conjugation](#). In Scale Space and Variational Methods in Computer Vision, SSVM 2021, volume 12679 of Lecture Notes in Computer Science, pages 346-357.

ACADEMIC EXPERIENCE

- National Conference for Outstanding Undergraduates in Basic Sciences** Sep 2016
Harbin Institute of Technology. Supervisor: L. Yang Harbin
- Our “[Video Flame Detection Model via Naïve Bayes and Markov Chain](#)” was recommended for an academic report on the conference in Harbin, where I hosted the branch conference in Mathematics.
- Judge Business School** Aug 2014
Selwyn College, University of Cambridge. Supervisor: A. Barrell Cambridge, UK
- Summer Program in Economics Education (ISEE)** Aug 2015
Hebrew University of Jerusalem. Supervisor: A. Eizenberg Jerusalem, Israel
- Attended PhD-level courses in Economics. Conducted a workshop paper in Econometrics.
- International Summer School on Data Science** Aug 2016
School of Mathematical Sciences, Peking University, Supervisor: Y. Yao Beijing

INTERNSHIP EXPERIENCE

- PingAn Technology** May 2018 - Sep 2018
Big Data and Recommendation Group, Research Institute. Supervisor: Y. Bi Shanghai
- Studied papers on machine learning and *Kaggle* competitions. Built prediction algorithms and communicated with the business side. Managed distributed TB-level HADOOP databases and parallel computing environment.
- East China State Grid** Jun 2016 - Jan 2017
Research Assistant, Information Department. Supervisor: D. Zhao Shanghai
- Solved 24-hour short-term electricity grid load forecast problem with SVM and Wavelet models, etc. Accomplished online-learning by proposing an API with the R Language. Gave a report to the company in Suchow.
- Central China Securities Holding Company Limited** Jul 2015 - Sep 2015
Internship, Financial Engineering Department, Research Institute. Supervisor: Q. Zhang Shanghai

Grad Courses Stochastic Calculus, Evolution Equations, Functional Analysis, Mathematical Statistics, Probabilistic Graphical Models, Numerical Methods for PDE and Control, Deep Learning, etc.

Student Jobs Fudan Student Senator. President of Undergraduates Class of 2017 of Math Department.

Recreation Championship of the “Fudan’s Got Talent” Show. Piano. Marathon. Basketball team.

Awards Honorable Mention in the Mathematical Contest in Modeling (MCM), 2016.

Computer MATLAB, R, PYTHON, JULIA, LINUX, C, \LaTeX , Adobe Photoshop, Microsoft Office.