

# JULIEN CHHOR

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## Experience

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### Research

#### Harvard University

*Postdoctoral Fellow. Advised by Rajarshi Mukherjee and Subhabrata Sen*

Sep. 2022 – Current

Palaiseau, France

#### CREST/ENSAE: PhD in Mathematical Statistics

*Advised by Alexandre Tsybakov*

Sep. 2019 – Aug. 2022

Palaiseau, France

#### OvGU Magdeburg

*Research intern in Mathematical Statistics. Advised by Alexandra Carpentier*

Apr. 2019 – Aug. 2019

Magdeburg, Germany

#### Michigan State University

*Research intern in Bayesian Statistics. Advised by Frederi Viens*

Apr. 2018 – Aug. 2018

Michigan, USA

### Teaching

#### ENSAE Paris

*Teaching assistant: Measure Theory, Advanced Statistics, Nonparametric Statistics, Optimization, Online Learning and Aggregation, Machine Learning*

Sep. 2019 – current

Palaiseau, France

#### ENSAE Paris

*Examiner in Mathematics for the oral entrance exams*

May 2021 and 2022

Palaiseau, France

### Miscellaneous

#### Société Générale

*Intern in credit risk modelling*

Jun. 2017 – Aug. 2017

La Défense, France

## Education

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#### MVA (Mathematics, Vision and Learning)

*Research-oriented master in Computer Vision and Machine Learning. Diploma awarded with highest honors*

Sep. 2018 – Aug. 2019

ENS Cachan, France

#### ENSAE Paris

*Spec. Statistics and Machine Learning*

Sep. 2018 – Aug. 2019

Palaiseau, France

#### Ecole polytechnique

*France's leading university for sciences and engineering*

Sep. 2015 – Aug. 2019

Palaiseau, France

#### Lycée Louis-le-Grand

*Two-year intensive program in Mathematics and Physics, preparing for the entrance exams to the French Grandes Ecoles for scientific studies*

Sep. 2013 – Jul. 2015

Paris, France

## Preprints

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#### Benign overfitting and adaptive nonparametric regression

Julien Chhor, Suzanne Sigalla, Alexandre Tsybakov (2022) arXiv:2206.13347

#### Robust Estimation of Discrete Distributions under Local Differential Privacy

Julien Chhor, Flore Sentenac (2022) arXiv:2202.06825

#### Goodness-of-Fit Testing for Hölder-Continuous Densities: Sharp Local Minimax Rates

Julien Chhor, Alexandra Carpentier (2021) arXiv:2109.04346

#### Sharp Local Minimax Rates for Goodness-of-Fit Testing in Large Random Graphs, multivariate Poisson families and multinomials

Julien Chhor, Alexandra Carpentier (2020) arXiv:2012.13766 To appear in *Math Stat Learning*.

## Communications

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### **Robust Estimation of Discrete Distributions under Local Differential Privacy**

University of Potsdam, Germany, Mai 2022

### **Goodness-of-fit testing for multinomials and densities: sharp local minimax rates**

Meeting in Mathematical Statistics (Dec. 2020), CIRM Luminy, France

### **Minimax Testing in Random Graphs**

Statistics-Econometrics-Machine Learning Seminar (2019) CREST/ENSAE, France

## Awards

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Leibnitz student, Oberwolfach Mathematical Institute.