

CURRICULUM VITÆ

Antoine VENDEVILLE

Born on April 23 1994 in Paris, France.

PhD student

University College London

[Centre for Doctoral Training in Cybersecurity](#)

Department of Computer Science

Supervisory team

[Benjamin Guedj](#)

[Shi Zhou](#)

Other affiliations

[The Inria London program](#)

Contact

E-mail : a.vendeville@ucl.ac.uk

Web : <https://antoinevendeville.github.io>

ACADEMIC POSITIONS

Since 2019

PhD student, University College London.

- Computer Science Department
- [Centre for Doctoral Training in Cybersecurity](#)
- Supervised by [Benjamin Guedj](#) and [Shi Zhou](#).
- Expected duration 4 years.

Summer 2019

Research assistant, Sorbonne Université¹.

- Computer Science Department ([LiP6](#)), team [NPA](#).
- Supervised by [Anastasios Giovanidis](#), [Bruno Baynat](#), [Clémence Magnien](#).
- Duration 5 months.

Summer 2018

Research assistant, Sorbonne Université¹.

- Computer Science Department ([LiP6](#)), team [NPA](#).
- Supervised by [Anastasios Giovanidis](#), [Bruno Baynat](#), [Clémence Magnien](#).
- Duration 5 months.

PUBLICATIONS

2022

- A. Vendeville, A. Giovanidis, E. Papanastasiou and B. Guedj. Opening up echo chambers via optimal content recommendations. Accepted at [Complex Networks 2022](#). Preprint on [arXiv](#), [HAL](#).
- A. Vendeville, A. Giovanidis, E. Papanastasiou and B. Guedj. Recommendation of content to mitigate the echo chamber effect. Extended abstract. Accepted at [CCS 2022](#).
- A. Vendeville, B. Guedj and S. Zhou. Active links density in the Voter Model with zealots. Extended abstract. Accepted at [CCS 2022](#).

- A. Vendeville, B. Guedj and S. Zhou. Depolarising Social Networks : Optimisation of Exposure to Adverse Opinions in the Presence of a Backfire Effect. Submitted. Preprint on [arXiv](#), [HAL](#).
- A. Vendeville, B. Guedj and S. Zhou. Towards control of opinion diversity by introducing zealots into a polarised social group. [Proceedings of Complex Networks and Their Applications X](#). Preprint on [arXiv](#), [HAL](#).

2021

- A. Giovanidis, B. Baynat, C. Magnien and A. Vendeville. Ranking Online Social Users by Their Influence. [IEEE/ACM Transactions on Networking](#), 2021. Preprint on [arXiv](#), [HAL](#).
- A. Vendeville, B. Guedj and S. Zhou. Forecasting elections results via the voter model with stubborn nodes. [Applied Network Science](#) 6, 1, 2021. Preprint on [arXiv](#), [HAL](#).

2019

- A. Giovanidis, B. Baynat and A. Vendeville. Performance Analysis of Online Social Platforms. [IEEE INFOCOM 2019](#), pp. 2413-2421. Preprint on [arXiv](#), [HAL](#).

TALKS AND PRESENTATIONS

2022

- [Opening up Echo Chambers via Optimal Content Recommendation](#). Presented on November 8, 2022 at [Complex Networks 2022](#).
- [Active links in the voter model with zealots](#), poster presented on October 20, 2022 at [Conference on Complex Systems](#).
- [Recommendation of content to mitigate the echo chamber effect](#), poster presented on October 17, 2022 at [Conference on Complex Systems](#).
- [Opening up Echo Chambers via Optimal Content Recommendation](#). Presented on 29, 2022 at Centre d'Economie de la Sorbonne, for the [Networks and Games seminar](#).
- [Fighting political echo chambers via content recommendation: Method and application to the 2017 French presidential elections](#), presented on June 29, 2022 at the Mediterranean School of Complex Networks ([MSCX](#)).
- [Depolarising Social Networks: Optimisation of Exposure to Adverse Opinions in the Presence of a Backfire Effect](#), presented on April 12, 2022 at Sorbonne Université to the [Complex Networks](#) and [NPA](#) teams.
- [Voter model with zealots for opinion control and forecast of election results](#), presented on January 7, 2022 at University College London, for the Information and Decision Systems research group [IDS](#).

2021

- [Towards control of opinion diversity by introducing zealots into a polarised social group](#), poster presented on December 1, 2021 at [Complex Networks 2021](#).
- [Voter Model with Stubborn Agents: from Theoretical Solutions to Prediction of Political Elections](#), presented on July 5, 2021 at [Networks 2021](#).

TEACHING

2021 [Benjamin Guedj](#) and I supervised [Valentin Kilian](#) for a 2 months research internship on opinion dynamics at [Inria](#).

2019-2022 teaching assistant at University College London for [Complex Networks and Web \(COMP0123\)](#).

2020-2021 teaching assistant at University College London for [Introductory Programming \(COMP0066\)](#).

2013-2016 private maths tutor for high school students in Paris.

EDUCATION

2018-2019 Master 2 Data Science, Université Claude Bernard, Lyon.

2017-2018 Master 2 Mathematical Modelling, Sorbonne Université¹.

2015-2017 Master 1 Mathematics and Applications, Sorbonne Université¹.

2012-2015 Bachelor in Mathematics and Applications, Sorbonne Université ¹.

PEER REVIEWS

I have reviewed papers for the following journals.

- [Nature Scientific Reports](#)
- [PLOS ONE](#)
- [Proceedings of the Royal Society A](#)
- [Computer Communications](#)

1. Former Université Pierre et Marie Curie, Paris, France.