

# Antonin Voyez



## Contact

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## Skills

### Programming

Python  
Rust  
Java  
C

### System

Bash  
Linux  
Git  
Docker

### Data science

Jupyter  
Pandas  
Matplotlib / Seaborn  
Sklearn

### Other

Differential Privacy  
Hadoop - PIG  
Encryption  
L<sup>A</sup>T<sub>E</sub>X

## Languages

French (Native)  
English (Fluent)  
German (Scholar)

## Other

Permis B (car)  
Permis côtier et  
hauturier (boat)  
Licence Radio-amateur  
(radio)

## Experiences

- 2020–Now **ENEDIS / IRISA** Paris/Rennes, France  
*Ph.D.* - (ENEDIS - IRISA: LACODAM team)  
Risks analysis related to the publication of anonymized electricity consumption measurements.  
Python, Jupyter, ML (time series classification), L<sup>A</sup>T<sub>E</sub>X
- 2019-2020 **IRISA: DRUID team** Rennes, France  
*CDD* - (Octobre - Novembre)  
Scrapping and analyzing web pages for the PROFILE project.  
Python, Jupyter, scraping
- 2019 **IRISA: DRUID team** Rennes, France  
*Stage* - (Mach - August)  
Implementing Crowdpriv a privacy friendly task/worker assignment platform. Building a test dataset from the Stackoverflow database.  
Python, Django, Rust, Jupyter, differential privacy
- 2018 **Crédit Mutuel Arkéa** Brest, France  
*Internship & CDD - Assistant data engineer*  
Building a test and log analysis tool for Hadoop.  
Python, PIG, Hadoop

## Publications

- 2022 **ArXiv (under review at Nature Scientific Report)**  
Unique in the Smart Grid -The Privacy Cost of Fine-Grained Electrical Consumption Data
- 2022 **SECRYPT**  
Membership Inference Attacks on Aggregated Time Series with Linear Programming

## Teaching

- 2022 **Master 1 Info** ISTIC - Université de Rennes 1, Rennes, France  
Database (SQL, optimization: index, analyze)
- 2021–2022 **Master 1 MIAGE & Cyber** ISTIC - Université de Rennes 1, Rennes, France  
Database access control, differential privacy

## Education

- 2020–2023 **Ph.D.** Université de Rennes 1, Rennes, France  
Risks analysis related to the publication of anonymized electricity consumption measurements.
- 2018–2019 **Master 2 Cybersecurity** ISTIC - Université de Rennes 1, Rennes, France  
Cryptography, Networking, Secure programming, Sysadmin - Linux & Windows
- 2014 – 2017 **Licence Informatique** ISTIC - Université de Rennes, Rennes, France