

Arthur Vervaeet

avervaeet.github.io | linkedin.com/in/avervaeet | github.com/avervaeet

WORK EXPERIENCE

Ph.D. in Computer Science

February 2020 – Present

3DS OUTSCALE — Sorbonne Université

Paris, France

- **Title:** Automated Log-Based Anomaly Detection within Cloud Computing Infrastructures
- **Keywords:** Anomaly Detection, Distributed Systems, Big Data Streams, Cloud Computing

Software Engineer

March 2019 – October 2019

Git Guardian

Paris, France

- **Back-end Development:** Python — Django
- **Process Automation:** Gitlab — CI/CD

Data Scientist

July 2018 – March 2019

Cognitive Matchbox

Paris, France

- **Model building:** Python — ScikitLearn and PyTorch
- **Web Scrapping:** Python — BeautifulSoup and Selenium

TEACHING EXPERIENCE

Teaching Assistant

February 2019 – February 2022

Institut Supérieur d'Electronique de Paris

Paris, France

- **Operating systems:** Linux and Security
- **Software architecture:** JAVA, Design patterns, Algorithmic

EDUCATION

Institut Supérieur d'Electronique de Paris

Paris, France

Engineering Degree

October 2018

- **Main courses:** Software architecture, Databases, Algorithmic, Distributed systems

Université Laval

Québec, Canada

Academic Exchange

August 2017 - January 2018

SCIENTIFIC WRITINGS

- Vervaeet, Arthur, Raja Chiky, and Mar Callau-Zori. "USTEP: Unfixed Search Tree for Efficient Log Parsing." *2021 IEEE International Conference on Data Mining (ICDM)*. (9.9% Acceptance rate)
- Vervaeet, Arthur. "MoniLog: An Automated Log-Based Anomaly Detection System for Cloud Computing Infrastructures." *2021 IEEE 37th International Conference on Data Engineering (ICDE)*.
- Vervaeet, Arthur, Raja Chiky, and Mar Callau-Zori. "USTEP: Structuration des logs en flux grâce à un arbre de recherche évolutif." *Extraction et Gestion des Connaissances: EGC'2022*.
- Vervaeet, Arthur, Raja Chiky, and Mar Callau-Zori. "Automatisation de la structuration des logs pour le cloud computing." *Extraction et Gestion des Connaissances: Actes EGC'2021*.

VOLUNTEERING

President

March 2022 – Present

IEEE ISEP Student Branch

Paris, France

- Organize events promoting engineering and science
- Collaborate with other branches all around the world

Head of Camp

January 2017 - July 2021

Serpents Verts Summer Camp

France

- Organization and management of 2-week summer camps for teenagers

ACHIEVEMENTS

Hackathon AI and Security | *First Place*

May 2022

- **Organizing committee:** Direction Générale de la Gendarmerie Nationale (DGGN), United Nations Environment Program (UNEP), Agence Française de Développement (AFD)

HOBBIES

Climbing: Bouldering addict right here !

Coding Puzzles: I enjoy challenging coding or optimization problems and often involve myself in events likes Hashcode, Codejam or Advent coding calendar.