Anderson Augusma

Ph.D. student in Multimodal Perception

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▬ Research

Nov 2021 to present	**Ph.D. in Applied Mathematics and Computer Science**, *Laboratoire Informatique de Grenoble (LIG, M-PSI Team) and Laboraboire Jean Kuntzmann (LJK, SVH Team)*, Université Grenoble Alpes, France.

- **Ph.D. Thesis:** Multimodal perception and statistical modeling of pedagogical classroom events using a privacy-safe non-individual approach.
- **Supervisors:** Dominique Vaufreydaz and Frédérique Letué.

Publications

- **ACM ICMI, EmotiW2023**, Augusma, A., Vaufreydaz, D., Letué F. *"Multimodal Group Emotion Recognition In-the-wild Using Privacy-Compliant Features", https://doi.org/10.1145/3577190.3616546*
- **IEEE ACII2022**, Augusma A, *"Multimodal Perception and Statistical Modeling of Pedagogical Classroom Events Using a Privacy-safe Non-individual Approach," 2022 10th International Conference on Affective Computing and Intelligent Interaction Workshops and Demos (ACIIW), Nara, Japan, 2022, pp. 1-5, doi: 10.1109/ACIIW57231.2022.10086029*

Achievements

- **Winner-EmotiW2023:** Winner - Emotion Recognition in the Wild Challenge of International Conference on Multimodal Interaction (ICMI 2023).

Conference Participation and Talk

Oct 09th to Oct 13th, 2023	**Attended as speaker and author in ICMI/EmotiW**, *25th International Conference on Multimodal Interaction (ICMI 2023)*, Paris, France.
Feb 22nd, 2023	**Presented a talk in PhD Seminar at Lorraine University**, *Invited as speaker for the PhD seminar at IAEM, Lorraine University*, Metz, France.
Oct 18th to Oct 21th, 2022	**Attended as speaker and author in ACII 2022, Doctoral Consortium (DC)**, *10TH INTERNATIONAL CONFERENCE ON AFFECTIVE COMPUTING & INTELLIGENT INTERACTION*, Nara, Japan; Attended remotely.
Nov 15th to Nov 18th, 2022	**Attended as participant in EIAH 2022**, *Methods of conducting research on computational environments for human learning*, Leysin, Switzerland.
Sep 19th to Sep 23th, 2022	**Attended as a participant in ECML PKDD 2022**, *European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases(ECML PKDD)*, Grenoble, France.
Jun 13th to Jun 17th, 2022	**Attended as participant in JDS 2022, Journée de la statistique**, *Organizer: Société Française de la Statistique (SFdS)*, Lyon, France.

▬ Education

Sep 2019 - Jun 2021	**Master of Science (MSc) in Econometrics and Statistics, specialization in IT security and risk**, Université Claude Bernard Lyon1 (UCBL), ISFA, Lyon, France.
Sep 2017 - Jun 2019	**Master of Science (MSc) in Fundamental and Applied Mathematics**, Université d'Etat d'Haïti (UEH) /Université des Antilles (UA), Ecole Normale Supérieure (ENS), Port-au-Prince, Haïti.

Sep 2013 - Jun 2017	**Bachelor's degree in Fundamental Mathematics**, Université d'Etat d'Haïti (UEH), Ecole Normale Superieure (ENS), Port-au-Prince, Haïti.

Internship

May 2021 - Oct 2021	**Data Science Internship**, *Laboratory of Auscultation, Modeling and Experimentation of transport infrastructures (LAMES)*, Gustave Eiffel University, Nantes, France.

- Prediction and evaluation of road pavement failure modes based on their degradation and their relationship with key performance indicators.

Jun 2020 - Aug 2020	**Data Analyst Internship**, *INSAVALOR/PROVADEMS*, Lyon-Villeurbanne, France.

- Data analysis, statistical modeling and characterization of household waste.

Master's Theses

2020	**Machine Learning, M1 Thesis**, *An introduction to machine learning, application to auto insurance claim prediction.*
2019	**M.Sc. Thesis: Optimization**, *Expediting the transition from non-renewable energy to renewable energy via optimal control (H. Maurer, 2017).*
2018	**Partial Differential Equation (PDE), M1 Thesis**, *Resolution of the wave equation in R^n.*

Awards

- **Eiffel 2020:** Winner of the MASTER-EIFFEL LAUREATS 2020 program; Campus-France.
- **Mathematics internship grant 2018:** Awarded an internship grant for achieving a high distinction in the Mathematics degree program; ENS/UEH.

Languages

- **English:** Professional working proficiency
- **French:** Second language
- **Haitian:** First language

Software Skills

- **Programming language:** Python, R, SQL, C, PHP
- **Machine Learning framework/library:** Pytorch, Tensorflow/Keras, SkLearn.
- **Environment system:** Unix/Linux (shell), Windows, Git
- **Orther:** TeX, Pack Office, Access,