Sandy Aoun

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EDUCATION

M.Sc. in Computer Science (*with High Honors, First in Class*)   Oct. 2014 - Sept. 2016
University of Toulouse III & Lebanese University   Toulouse, France & Hadath, Lebanon

B.Sc. in Computer Science (*with Honors*)   Oct. 2009 - June 2014
Lebanese University   Fanar, Lebanon

PROFESSIONAL EXPERIENCE

Research Assistant   Aug. 2022 - July 2026
University of Graz   Information Extraction from Late Medieval Charters

Research Assistant   Apr. 2022 - June 2022
American University of Beirut   Arabic Graph-Based Named Entity Linking

Natural Language Processing Engineer   June 2021 - Sept. 2021
University of California at Berkeley (*Remote*)   Construction of a Biological Database from Flora Reference Books

Computer Science Tutor   April 2021 - Sept. 2021
Private Tutoring of Programming and Computer Science-Related Concepts and Solving Relevant Practical Exercises

Research Assistant   Sept. 2019 - Nov. 2020
American University of Beirut   Automatic Speech Recognition of Arabic Speech using Sequence-to-Sequence Models

Research Internship of the Master's Program in Computer Science   Mar. 2016 - Sept. 2016
University of Rennes I   Optimal Constitution of the Speech Corpus for the Speech Synthesis of Audiobooks

Final Project of the First Year of Graduate Studies in Computer Science   Mar. 2015 - May 2015
Lebanese University   Conception and Implementation of a JSON to XML Compiler

PUBLICATIONS

F. Decker, <u>S. Aoun</u>, G. Consolo. "**From Documents to Data: Digital Technologies in the Study of Notarial Charters**". *AIUCD 2025.*

<u>S. Aoun</u>, V. Arzt, D. Luger, G. Vogeler. "**Information Extraction from German Medieval Charters Abstracts**". *DH 2024.*

F. Atzenhofer-Baumgartner, D. Luger, T. Kovács, J. Laroche, A. Nicolaou, F. Decker, N. Renet, <u>S. Aoun</u>, N. Tscherne, G. Vogeler. "**Formulaic Language in Diplomatics: Investigating Formulas as Charter Type Discriminators**". *Conference on Formulaic Language in Historical Research and Data Extraction 2024.*

A. Habring, A. Nicolaou, D. Luger, F. Atzenhofer-Baumgartner, F. Lamminger, F. Decker, <u>S. Aoun</u>, T. Kovács, G. Vogeler, M. Holler. "**Probabilistic Modeling of Chronological Dates to Serve Machines and Scholars**". *DH 2023.*

T. Kovács, <u>S. Aoun</u>, G. Vogeler, A. Nicolaou, D. Luger, F. Atzenhofer-Baumgartner, F. Lamminger, F. Decker. "**Few Shot Classification for Labeling of Medieval and Early Modern Charter Texts**". Poster. *DH 2023.*

D. Luger, A. Nicolaou, F. Decker, F. Atzenhofer-Baumgartner, F. Lamminger, G. Vogeler, <u>S. Aoun</u>, T. Kovács. "**Digital Contributions to a 300 Years Old Methodology: Diplomatics & DH**". Poster. *DH 2023.*

G. Vogeler, D. Luger, A. Nicolaou, T. Kovács, F. Atzenhofer-Baumgartner, F. Lamminger, <u>S. Aoun</u>, F. Decker. "**Building a Virtual Research Environment to Move from Digital to Distant Diplomatics (ERC Project DiDip)**". Poster. *DHd 2023.*

G. Vogeler, A. Nicolaou, D. Luger, T. Kovács, F. Atzenhofer-Baumgartner, <u>S. Aoun</u>, F. Decker. "**Computational Methods in Studying Late Medieval Charters**". Poster. *CHR 2022.*

MISCELLANY

Journal/Conference Reviewer: TALLIP 2020, LREC 2020, DH 2024, DH 2025, DH 2026

Summer School Organizer/tutor: Computational Language Technologies for Medievalists/Information Extraction

Technical Skills: Python, C++, SQL, HTML, CSS, LaTeX, Linux, Docker, HPC clusters, pandas, spaCy, scikit-learn

Natural Languages: Fluent in English, Arabic, and French; elementary proficiency in German