

STELLA ZEVIO

Graduate Researcher

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EDUCATION

Ph.D in Computer Science

LIPN, CNRS UMR 7030, Paris 13 University, France

September 2017 – September 2020

Thesis title : «Knowledge discovery and enrichment from text for expert finding »

Supervisors : Thierry Charnois, Guillaume Santini, Haïfa Zargayouna

Keywords : Expert Finding, Knowledge Extraction, Natural Language Processing, Machine Learning, Text Mining, Graph Theory, Graph Abstraction

M.Sc. in Computer Science (Data, Knowledge and Natural Language)

University of Montpellier, France

September 2015 – June 2017

Keywords : Ontologies, Natural Language Processing, Semantics, Data Mining, Text Mining, Data Warehouses, Complex and Heterogeneous Data, Documentation System

B.Sc. in Computer Science

University of Montpellier, France

September 2013 – June 2015

TEACHING

Teaching Assistant

IUT de Villetaneuse, Paris 13 University

September 2017 – June 2020 Villetaneuse, France

Advanced Object-Oriented Programming and Conception (80 hours)

Lectures, correction of exercises, tutorials and practical work, test writing, test surveillance

Basics of Object-Oriented Programming (24 hours)

Lectures, correction of exercises, tutorials and practical work, test surveillance

Architecture and Programming of the Basic Mechanisms of a Computer System (24 hours)

Lectures, correction of exercises, tutorials and practical work, test surveillance

Volunteer Tutor

«Hello World» student society, University of Montpellier

September 2015 – April 2017 Montpellier, France

From Combinatory to Graphs (128 hours)

Lectures, correction of exercises, personalised assistance, homework support, projects support, course summary

Introduction to Algorithmics and Computer Programming (264 hours)

Lectures, correction of exercises, personalised assistance, homework support, course summary

PUBLICATIONS

Journal Articles

- Tchechmedjiev, Andon *et al.* (2018). "SIFR annotator: ontology-based semantic annotation of French biomedical text and clinical notes". In: *BMC Bioinformatics* 19.1, p. 405.

Conference Proceedings

- Zevio, Stella (2018). "Knowledge Discovery and Enrichment from Scholarly Data for Expert Finding". In: *The 21st International Conference on Knowledge Engineering and Knowledge Management (EKAW) Doctoral Consortium*.
- Zevio, Stella, Nordine El Hassouni, *et al.* (2016). "AgroLD Indexing Tools with Ontological Annotations". In: *Semantic Web for Life Science - SWAT4LS*. Amsterdam, Netherlands.
- Zevio, Stella, Tetsuya Mihara, and Shigeo Sugimoto (2018). "Identifying Transmedia Works from User-Generated Knowledge Bases : Japanese Pop Culture Study Case". In: *The Fifth International Workshop on Practical Application of Ontology for Semantic Data Engineering (PAOS2018)*.
- Zevio, Stella, Haïfa Zargayouna, *et al.* (2018). "Vers une cartographie automatique des thématiques et profils d'experts associés à une conférence scientifique : 9 ans d'ateliers Recherche d'Information SEmantique (RISE)". in: *Actes de la dixième édition de l'atelier Recherche d'Information SEmantique (RISE)*, pp. 6–13.

EXPERIENCE

Graduate Researcher

Montpellier Laboratory of Informatics, Robotics and Microelectronics/Stanford Center for Biomedical Informatic Research

📅 February 2017 – July 2017 📍 Montpellier, France/Stanford, CA, US

Supervisors : Sandra Bringay, Clément Jonquet, Andon Tchechmedjiev
Semantic annotation of electronic health records

Mission at **Stanford Center for Biomedical Informatic Research** (May 2017)

Integration of NLP techniques for the semantic annotation of French-language electronic health records with ontologies

Publication in preparation

Graduate Researcher

Montpellier Laboratory of Informatics, Robotics and Microelectronics, CIRAD (IBC)

📅 June 2016 – July 2016 📍 Montpellier, France

Supervisors : Pierre Larmande, Nordine El Hassouni

Semantic web data integration for agronomy

Creation of an indexation workflow for biological entities from heterogeneous resources (SPARQL endpoints, scientific articles, databases)

Personal initiative : creation of an annotation workflow with ontologies based on NCBO Annotator

Undergraduate Researcher

Montpellier Laboratory of Informatics, Robotics and Microelectronics (ADVANSE Team)

📅 June 2015 📍 Montpellier, France

Supervisors : Sandra Bringay, Jérôme Azé

Health data mining

Design and implementation of medical prediction algorithms

Undergraduate Researcher

Montpellier Laboratory of Informatics, Robotics and Microelectronics (GraphiK Team)

📅 June 2014 📍 Montpellier, France

Supervisor : Souhila Kaci

Preferences in artificial intelligence

Design and implementation of a preference-based system

LANGUAGES

French ● ● ● ● ●

English ● ● ● ● ●

TOEIC Certification (2017) : 940/990

RESEARCH VISITS

Graduate Researcher

Faculty of Library, Information and Media Science, University of Tsukuba

📅 July - August 2017 📍 Tsukuba, Japan

Supervisor : Shigeo Sugimoto

Metadata for Japanese pop-culture :

identifying abstract instances

Proposition of a model to identify abstract instances such as Work (FRBR) of manga

Graduate Researcher

Stanford Center for Biomedical Informatics Research

📅 May 2017 📍 Stanford, US

Supervisors :

Sandra Bringay, Clément Jonquet, Andon Tchechmedjiev

Semantic annotation of electronic health records

Integration of NLP techniques for the semantic annotation of English-language electronic health records with ontologies

SKILLS

Software Development

Java C C++ Python
Mathematica

Modelling

UML Design Patterns

Machine Learning

Weka

Project Management

Agile software development

Databases

SQL MongoDB CouchDB HBase
Neo4J

Web

HTML5 CSS3 SPARQL XQuery
XPath

Distributed Systems

Hadoop MapReduce Elastic