

# Hannah Béchara

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*PhD, MPhil, BA*

## Experience

### Vocational

- 2019–Current **Research Fellow**, HERTIE SCHOOL OF GOVERNANCE, Berlin.
- DeepLearning for NLP
  - Lecturing
- 2014–2016 **Research Associate (Marie Skłodowska-Curie Fellowship)**, UNIVERSITY OF WOLVERHAMPTON, Wolverhampton.
- Evaluation of Machine Translation output using Machine Learning
  - Writing Project Proposals for EU-funded Research
  - Publishing and Presenting Work at International Conferences
  - Conducting User Studies on the effects of Quality Estimation on post-editing efficiency.
- 2013–2014 **Research Assistant**, CENTRE FOR GLOBAL INTELLIGENT CONTENT, Dublin.
- Developed “Medtool”, a Multilingual Search and Access web tool for the Biomedical Domain Developer
  - Extended EzDL, a search and access Framework for Digital Libraries
- Summer 2010 **Research Assistant**, CENTRE FOR GLOBAL INTELLIGENT CONTENT, Dublin.
- Extended the DCU-250 Gold Standard f-structure Bank, a treebank for Arabic
- 2008–2009 **Student Assistant**, *Seminar für Sprachwissenschaft*, Tübingen, Germany.
- Programming and Design with JSP, HTML and MYSQL for the University’s website
  - Deployment, Maintenance and Translation (German to English)

### Teaching Experience

- 2015–2016 **Lecturer**, RESEARCH GROUP IN COMPUTATIONAL LINGUISTICS, Wolverhampton.
- Preparing and Teaching Lectures in Machine Translation for MA students
  - Preparing and Teaching Lectures in Machine Learning
  - Preparing and Teaching Lectures Python
  - Preparing and Teaching Tutorials
- 2013–2014 **Teaching Assistant**, DUBLIN CITY UNIVERSITY, Dublin.
- Teaching a Web Design Tutorial

## Education

- 2019 **PhD in Computer Science**, *RHLP*, University of Wolverhampton, Wolverhampton.  
Thesis Title: A STS enhanced QE Method and its Applications to NLP tasks
- 2013 **MPhil in Computer Science**, *Dublin City University*, Dublin.  
Thesis Title: Statistical Post-Editing and Quality Estimation for Statistical and Rule-Based Machine Translation Systems

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🌐 [https://www.researchgate.net/profile/Hanna\\_Bechara](https://www.researchgate.net/profile/Hanna_Bechara)

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2010 **BA in Computational Linguistics**, Eberhard Karls University of Tübingen, Tübingen, GPA – 1.3.

Thesis Title: Extending a Grammar Tool with Finite State Methods

#### Selected Publications

2017 PARRA ESCARTÍN, C., BÉCHARA, H. AND ORÁŠAN, C., 2017., Questing for Quality Estimation A User Study. *The Prague Bulletin of Mathematical Linguistics*

2016 BECHARA, H., PARRA ESCARTIN, C., ORASAN, C AND SPECIA, L. 2016., Semantic Textual Similarity in Quality Estimation *In 19th Annual Conference of the European Association for Machine Translation, EAMT. Riga, Latvia.*

STAJNER, S, POPOVIC, M. AND BECHARA, H. 2016., Quality Estimation for Text Simplification. *In Proceedings of the 10th edition of the Language Resources and Evaluation Conference (LREC), Portoroz, Slovenia.*

BECHARA, H., GUPTA, R., TAN, L., ORASAN, C., MITKOV, R. AND VAN GENABITH, J. 2016, WOLVSAAR: Replicating the Success of Monolingual Word Alignment and Neural Embeddings for Semantic Textual Similarity. *International Workshop on Semantic Evaluation (SemEval), San Diego.*

2015 BÉCHARA, H., COSTA, H., TASLIMPOOR, S., GUPTA, R., ORASAN, C., AND CORPAS PASTOR, G. AND MITKOV, R. 2015., MiniExperts: An SVM approach for Measuring Semantic Textual Similarity *9<sup>th</sup> Int. Workshop on Semantic Evaluation, SemEval'15*

HANNA BÉCHARA, SARA MOZE, ISMAIL EL-MAAROUF, CONSTANTIN ORÁŠAN, PATRICK HANKS AND RUSLAN MITKOV. 2015., The Role of Corpus Pattern Analysis in Machine Translation Evaluation. *In Proceedings of the The 7th International Conference of the Iberian Association of Translation and Interpreting Studies (AIETI), Malaga, Spain.*

STAJNER, S, SAGGION, H. AND BECHARA, H. 2016., QA Deeper Exploration of the Standard PB-SMT Approach to Text Simplification and its Evaluation. *The 53rd Annual Meeting of the Association for Computational Linguistics and the 7th International Joint Conference on Natural Language Processing (ACL-IJCNLP)*

2014 ROHIT GUPTA, HANNA BÉCHARA, ISMAIL EL MAAROUF AND CONSTANTIN ORÁŠAN. 2014., UoW: NLP techniques developed at the University of Wolverhampton for Semantic Relatedness and Textual Entailment. *In Proceedings of International Workshop on Semantic Evaluation*

2012 HANNA BÉCHARA, RAPHAËL RUBINO, YIFAN HE, YANJUN MA AND JOSEPH VAN GENABITH. 2012., An Evaluation of Statistical Post-Editing Systems Applied to RBMT and SMT Systems. *In Proceedings of 24th International Conference on Computational Linguistics, Mumbai, India.*

2011 HANNA BÉCHARA, YANJUN MA AND JOSEF VAN GENABITH. 2011., Statistical Post-editing for a Statistical Machine Translation System. *In Proceedings of the 13th Machine Translation Summit, Xiamen, China.*

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