

# CURRICULUM VITAE

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## PERSONAL INFORMATION

Ehsaneddin Asgari, Ph.D.  
Doha, Qatar  
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🌐 <https://lp.berkeley.edu/asgari/>  
in <https://linkedin.com/in/ehsaneddinasgari/>

## INTERESTS

📄 NLP, Multimodal/Multilingual NLP, Digital Humanities, 🧬 Bioinformatics

## EDUCATION



**University of California, Berkeley, CA, USA.**

🎓 Doctor of Philosophy in Applied Science and Technology, 2019.  
Designated Emphasis in Computational Data Science and Engineering.

*PhD Thesis* : “**Life Language Processing** : Deep Learning-based Language-agnostic Processing of Proteomics, Genomics/Metagenomics, and Human Languages”.

🎓 Master of Science in Applied Science and Technology, 2016.



**Swiss Federal Institute of Technology, Lausanne (EPFL), Switzerland.**

🎓 Master of Science in Computer Science, 2014.



**Massachusetts Institute of Technology (MIT), MA, USA, 2013 -2014.**

*Master's Thesis* : “**Automatic Story Merging using Topic Modeling** : A Case Study on the Story of Moses”. Supervised by Mark Finlayson at the Genesis Group (PI : P. Winston).  
Visiting student at the Computer Science and Artificial Intelligence Laboratory (CSAIL).



**Sharif University of Technology, Tehran, Iran.**

🎓 Bachelor of Science in Software Engineering, 2011.

## POSITIONS



**Qatar Computing Research Institute, Doha, Qatar.**

- Scientist, Jan. 2024 - Present.



**AI Innovation Center, Volkswagen Group, Munich, Germany.**

- NLP Tech. Lead, Jan. 2023 - Dec. 2023.
- NLP Data Scientist, Jan. 2019 - Dec. 2022.



**Helmholtz Center for Infection Research, Braunschweig, Germany.**

- Post-doctoral Researcher at Prof. Alice McHardy's Group, Aug. 2019 - 2023.
- Research Fellow at Prof. Alice McHardy's Group, Jun. 2017 - Aug. 2019.



**Center for Information and Language Processing, Munich, Germany.**

- Research Fellow at Prof. Hinrich Schütze's Group, Feb. 2017 - Dec. 2018.
- Intern at Prof. Hinrich Schütze's Group, Jun. 2014 - Aug. 2014.



**ABB Corporate Research, Zurich, Switzerland.**

- Intern : Data-mining for the mining industry, Jun. 2012 - Oct. 2012



**Advanced Digital Sciences Center of UIUC, Singapore, Singapore.**

- Intern : Machine learning researcher Jun. 2010 - Sep. 2010

**AWARDS AND HONORS**

- 🎖 Ranked 1st in Semantic Evaluation (SemEval) Shared-Task, Multilingual Detection of Persuasion Techniques in Memes. 2024.
- 🎖 72<sup>nd</sup> Lindau Nobel Laureate Meeting Alumni (Nominated by Helmholtz Research Center). 2023
- 🎖 Selected for the ISCB Fellowship at the ISMB. 2020
- 🎖 Ranked 2nd in Semantic Evaluation (SemEval) Shared-Task 1. 2020
- 🎖 Ranked 1<sup>st</sup> and 2<sup>nd</sup> in two out of three tasks in The Critical Assessment of protein Function Annotation algorithms (CAFA) 3.14. 2019
- 🎖 Awarded Google Scholarship for Machine Learning Summer School (LxMLS), Lisbon. 2018
- 🎖 Best Paper Award at the Multilingual and Cross-lingual Methods in NLP at the NAACL-HLT Workshop, Sponsored by Google, San Diego, USA. 2016
- 🎖 Selected Submission at the ICML Computational Biology workshop, New York, USA. 2016
- 🎖 Awarded Google Travel Grant for attending International Conference on Machine Learning (ICML) 2016, New York, USA. 2016
- 🎖 Awarded Graduate Division Fellowship, University of California, Berkeley. 2014-2016
- 🎖 Awarded Outstanding Student Certificate and Prize by Sharif University President. 2008
- 🎖 Scholarship for undergraduate studies, Iranian National Foundation of Elites. 2007-2011
- 🎖 Gold medal in the Iranian National Olympiad of Literature and Linguistics. 2007

**PROFESSIONAL ACTIVITIES & SERVICES**

 Association for Computational Linguistics (ACL) and NLP Journals  
**Senior Area Chair for the ACL Conferences**

- ACL 2025
- Efficient Natural Language & Speech Processing at NeurIPS 2024

**Area Chair for the ACL Conferences**

- ACL 2021-2025
- EMNLP 2023-2025
- NAACL 2023-2025
- EACL 2024-2025

**Reviewer for the ACL Conferences**

- EMNLP 2017-2023
- ACL 2017-2023
- SEM-Eval 2021-2023
- Computational Approaches to Historical Language Change Workshop 2023
- NAACL 2019-2021
- SEM\* 2020-2021
- ACL Student Research Workshop 2020-2021
- Typology for Polyglot NLP Workshop 2019-2020

**Editor for Frontiers in Artificial Intelligence (NLP Section)** Since 2023

**Scientific reviewer for Agence Nationale de la Recherche proposals, France** 2021

**Reviewer for Natural Language Engineering Journal**

**Reviewer for Digital Scholarship in the Humanities**

 Reviewing for **Bioinformatics Related Journals/Conferences**

- Nature Communications
- Bioinformatics Journal
- PLOS Computational Biology Journal
- Briefings in Bioinformatics
- BMC Bioinformatics Journal
- IEEE/ACM Transactions on Computational Biology and Bioinformatics
- International Joint Conference on Artificial Intelligence (IJCAI) 2019-2020
- Intelligent Systems for Molecular Biology (ISMB) 2018-2019

ADVISING  
EXPERIENCES

🎓 PhD Co-advising

- **Mohammad Parsa** (UC Berkeley, Co-advised with M.R. Mofrad) *2024-Present*  
Evaluation of Protein Language Models.
- **Fatemeh Shaterian** (Sharif Uni., Co-advised with A. Fazli) *2024-Present*  
Code LLMs and their Evaluations.
- **Giorgos Kallergis** (Helmholtz Center, Co-advised with Alice McHardy) *2021-Present*  
Language Modeling of Chemicals.
- **Andrew Dickson** (UC Berkeley, Co-advised with M.R. Mofrad) *2020-Present*  
Protein Language Modeling (in continuation of my PhD work)

🎓 Masters Co-advising

- **Omid Ghahroodi (currently working with QCRI)** *2021-2024*  
Language Models for Hierarchical Classifications.
- **M.A. Sadraei (currently working with QCRI)** (Co-advised with H. Rabiee) *2021-2024*  
Continual Learning of Language Models.
- **Alireza Sahebi** (Co-advised with A. Sharifi) *2021-2023*  
Machine Learning Approaches for the Prediction of Pathogenicity in Genome Variations
- **Yongxin Huang** (LMU Munich/VW, Co-advised with Hinrich Schütze) *2022*  
Clarifying QA Generation for Machine Learning Model Construction
- **Nicolai-David Bernard Ruhnau** (LMU Munich, Co-advised with Hinrich Schütze) *2018*  
Distributional Semantics for the Computational Analysis of Food Corpora.

👤 Mentoring at QCRI Summer Internship Program (The team ranked 3<sup>rd</sup>)

Mapping the Evolution of Scientific Legacy. *Summer 2024*

◊ Malak Ibrahim (CMU-Q) ◊ Anas Madkour (QU) ◊ Talha Javad (Doha Science and Technology)  
◊ Myesha Hoque (QU) ◊ Fajr Amar (QU) ◊ Arwa Eleradi (QU) ◊ Bryson Jandawa (Princeton)

👤 Mentor of working students at Volkswagen Group, Data-Lab, Munich. *2022-present*

**Bachelor Students :**

- Mahdi Abootorabi (2023) - Text localization in Audio.
- Shuqi Wang (2023) - Weak Supervision for Text Anonymization.
- Mobina Pournemat (2023) - Automatic Persian Text Editing.
- Arshan Dalili (2023) - Visual Word Sense Disambiguation.
- Soroush Nasiriany (2016) - NLP for Mental Health Prediction.
- Kaveh Karbasi (2016) - Benchmarking Protein-to-Protein Interaction Prediction Methods.
- Amine Mezzour (2015) - Deep Convolutional Network for RNA Structure Prediction.
- Sam Njie (2014) - Gene Ontology Exploring Package.

TEACHING  
EXPERIENCES

- **Machine Learning Seminar** (HZI, BIOMEDAS Program) *Spring 2022, Spring 2023*  
Contributing Lecturer : Deep Representation Learning.
- **Natural Language Processing/LLMs** (Online seminars) *Fall 2020-Fall 2023*  
Volunteer Lecturer.
- **Deep Learning Seminar** (TU Braunschweig, with A. McHardy) *2019*  
Contributing Lecturer and Coordinator.

🎓 Graduate Teaching Assistant

- **Data Structures and Algorithms** (University of California, Berkeley) *2016*  
Information School (ISchool) (Summer 2016)
- **Programming languages** (University of California, Berkeley) *Spring 2016*  
Python, Matlab, and Java Instructor  
Self-Paced Center of EECS Department.



SKILLS

- **Programming Languages** Python, Java, C++, and R.
- **ML/DL Frameworks** HuggingFace, PyTorch, Spacy&nltk, Scikit-learn, Pandas, Elastic.
- **Languages** Persian (Native), English (Fluent), French (B1), German (B1), Arabic (Linguistics)



PUBLICATION

Year 2025



Fanar Team (My contributions was in Arabic Tokenizer, Arabic/Multimodal Benchmarking)

-  *Fanar : An Arabic-Centric Multimodal Generative AI Platform*
-  preprint arXiv :2501.13944 (2025).

Kallergis, Georgios, Ehsannedin Asgari, Behrooz Azarkhalili, Martin Empting, Anna Hirsch, and Alice McHardy.

-  *ChemLM : Domain adaptable language modeling of chemical compounds identifies potent pathoblockers for Pseudomonas aeruginosa.*
-  Accepted at Communications Chemistry 2025.

Mohammad-Mahdi Abootorabi and Ehsaneddin Asgari

-  *CLASP : Contrastive Language-Speech Pretraining for Multilingual Multimodal Information Retrieval.*
-  Accepted at The European Conference on Information Retrieval (ECIR), 2025.

Ma, Chunlan, Ayyoob ImaniGooghari, Haotian Ye, Renhao Pei, Ehsaneddin Asgari, and Hinrich Schuetze

-  *Taxi1500 : A multilingual dataset for text classification in 1500 languages.*
-  Accepted at NAACL, 2025.

Mahshid Dehghani, Amirahmad Shafiee, Ali Shafiei, Neda Fallah, Farahmand Alizadeh, Mohammad Mehdi Gholinejad, Hamid Behroozi, Jafar Habibi, Ehsaneddin Asgari

-  *Emo3D : Metric and Benchmarking Dataset for 3D Facial Expression Generation from Emotion Description*
-  Accepted at NAACL (Findings), 2025.

Year 2024

P. Zahraee ; E. Asgari.

-  *TuringQ : Benchmarking AI Comprehension in Theory of Computation*
-  In Findings of the Association for Computational Linguistics : EMNLP 2024.



M.A. Sadraei ; E. Asgari ; A. McHardy ; H.R. Rabiee.

-  *SuperPos-Prompt : Enhancing Soft Prompt Tuning of Language Models with Superposition of Multi Token Embeddings*
-  Efficient Natural Language & Speech Processing at NeurIPS 2024.



E. Asgari ; Y. Elkheir.

-  *Morphologically-Aware Tokenizer*
-  U.S. Provisional Patent Application No. 63/679,403.

O. Ghahroodi, M. Nouri, M. Sanian, A. Sahebi, D. Dastgheib, \*E. Asgari, \*M. Soleymani, \*M. Rohban.


-  *Khayyam Challenge (PersianMMLU) : Is Your LLM Truly Wise to The Persian Language ?*
-  COLM 2024.

Hu, Kaixin, Fernando Meyer, Zhi-Luo Deng, Ehsaneddin Asgari, Tzu-Hao Kuo, Philipp C. MÃ¼nch, and Alice C. McHardy.


-  *Assessing computational predictions of antimicrobial resistance phenotypes from microbial genomes.*
-  Briefings in Bioinformatics 25.3 (2024) : bbae206.


Nailia Mirzakhmedova, Johannes Kiesel, Milad Alshomary, Maximilian Heinrich, Nicolas Handke, Xiaoni Cai, Valentin Barriere, Doratossadat Dastgheib, Omid Ghahroodi, MohammadAli SadraeiJavaheri, Ehsaneddin Asgari, Lea Kawaletz, Henning Wachsmuth, and Benno Stein.

 [The Touche 23 ValueEval Dataset for Identifying Human Values behind Arguments](#)

 In Proc. of the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-COLING 2024), Torino, Italia.


MohammadAli SadraeiJavaheri, Ehsaneddin Asgari, and Hamid Reza Rabiee.


 [Transformers for Bridging Persian Dialects : Transliteration Model for Tajiki and Iranian Scripts](#)

 In Proc. of the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-COLING 2024), Torino, Italia.

### Year 2023


\*A Dickson, \*E Asgari, MH Alice C, M Mohammad RK

 [Go bench : Shared-hub for universal benchmarking of machine learning-based protein functional annotations.](#)

 **Bioinformatics 39 (2), 1367-4811, 2023.**

L März, E Asgari, F Braune, F Zimmermann, B Roth

 [XPASC : Measuring Generalization in Weak Supervision.](#)


 **Natural Language Engineering Journal.**

Z Taghavi, PH Naeini, MAS Javaheri, S Gooran, E Asgari, HR Rabiee, H Sameti

 [A CLIP-Based Approach for Comparing Cross-modality and Unimodality in Visual Word Sense Disambiguation.](#)


 Proc. of the The 17th International Workshop on Semantic Evaluation, 2023.

O Ghahroodi, MAS Javaheri, D Dastgheib, MS Baghshah, MH Rohban, E Asgari

 [A Class-Token Attention-based Model for Human Value Detection.](#)

 Proc. of the The 17th International Workshop on Semantic Evaluation, 2023.


A Sadeghi, R Alipour, K Taeb, P Morassafar, N Salemahim, E Asgari

 [A Multilingual Transformer Language Model-based Approach for the Detection of News Genre, Framing and Persuasion Techniques.](#)

 Proc. of the The 17th International Workshop on Semantic Evaluation, 2023.


P Münch, R Mreches, XY To, HA Gündüz, J Moosbauer, S Klawitter, Z Deng, G Robertson, M Rezaei, E Asgari, E Franzosa, C Huttenhower, B Bischl, A McHardy, M Binder

 [A platform for deep learning on \(meta\) genomic sequences.](#)

 **Under Review**



C Ma, A ImaniGooghari, H Ye, E Asgari, H Schütze

 [Taxi1500 : A Multilingual Dataset for Text Classification in 1500 Languages.](#)


 **arXiv preprint arXiv :2305.08487, 2023.**

## Year 2022

SK Hotop, S Reimering, A Shekhar, E Asgari, U Beutling, C Dahlke, et al.

-  *Peptide microarrays coupled to machine learning reveal individual epitopes from human antibody responses with neutralizing capabilities against SARS-CoV-2.*  
 **Emerging microbes & infections 11 (1), 1037-1048, 2022.**



D Dastgheib, E Asgari

-  *Keyword-based Natural Language Premise Selection for an Automatic Mathematical Statement Proving.*  
 **Proc. of TextGraphs-16 : Graph-based Methods for Natural Language, 2022.**

S Mirzababaei, AH Kargaran, H Schütze, E Asgari



-  *Hengam : An Adversarially Trained Transformer for Persian Temporal Tagging.*  
 **Proc. of the 2nd Conference of the Asia-Pacific Chapter of the Association for Computational Linguistics (ACL), 2022.**

SH Alavian, A Satvaty, S Sabouri, E Asgari, H Sameti



-  *Docalog : Multi-document Dialogue System using Transformer-based Span Retrieval.*  
 **Proc. of the Second DialDoc Workshop on Document-grounded Dialogue and Conversational Question Answering, 2022.**

## Year 2021

A Bahai, E Asgari, MRK Mofrad, A Kloetgen, AC McHardy

-  *EpitopeVec : linear epitope prediction using deep protein sequence embeddings.*  
 **Bioinformatics 37 (23), 4517-4525, 2021.**



E Nourani, E Asgari, AC McHardy, MRK Mofrad

-  *TripletProt : deep representation learning of proteins based on siamese networks.*  
 **IEEE/ACM Transactions on Computational Biology and Bioinformatics 19 (6), 2021.**

L März, E Asgari, F Braune, F Zimmermann, B Roth



-  *KnowMAN : Weakly Supervised Multinomial Adversarial Networks.*  
 **Empirical Methods in Natural Language Processing (EMNLP), 2021.**

Asgari E.



-  *Method, Computer Program and Apparatus for Relating Text Units.*  
 **European Patent 20206180.0.6 - 1231, January 2021.**

## Year 2020



A Khaleidi, A Weimann, M Schniederjans, E Asgari, TH Kuo, A Oliver, ...

-  *Predicting antimicrobial resistance in Pseudomonas aeruginosa with machine learning-enabled molecular diagnostics.*  
 **EMBO molecular medicine 12 (3), e10264, 2020.**


E Asgari, C Ringlstetter, H Schütze

-  *EmbLexChange at SemEval-2020 Task 1 : Unsupervised embedding-based detection of lexical semantic changes.*  
 **Proc. of the Fourteenth Workshop on Semantic Evaluation, 201-207, 2020.**

E Asgari, F Braune, B Roth, C Ringlstetter, MRK Mofrad


-  *UniSent : Universal Adaptable Sentiment Lexica for 1000+ Languages.*  
 **Proc. of The 12th Language Resources and Evaluation Conference (LREC), 2020.**


E Asgari, PC Münch, TR Lesker, AC McHardy, MRK Mofrad

 *Data-driven Variable-length Segmentation of Biological Sequences : Applications in Metagenomics and Proteomics.*


 **NeurIPS - Computational Biology Workshop, 2020.**


M Aldawsari, E Asgari, MA Finlayson

 *Story Fragment Stitching : The Case of the Story of Moses.*


 **1st Workshop on Artificial Intelligence for Narratives (AI4N) at the International Conference on Artificial Intelligence (IJCAI 2020).**


Asgari E.

 *Method, Computer Program and Apparatus for Detecting a Semantic Change of a Word between Domains.*

 **European Patent 20190280.6 - 1231, November 2020.**


E Asgari, MJ Sabet, P Dufter, C Ringlstetter, H Schütze

 *Subword sampling for low resource word alignment.*

 **arXiv preprint arXiv :2012.11657, 2020.**


M Ahmadi, MR Jahed-Motlagh, E Asgari, AT Rahmani, AC McHardy


 *ToxVec : Deep Language Model-Based Representation Learning for Venom Peptide Classification.*

 **bioRxiv, 2020.09. 29.319046, 2020.**


## Year 2019


N Zhou, Y Jiang, TR Bergquist, AJ Lee, BZ Kacsóh, AW Crocker, et al.

 *The CAFA challenge reports improved protein function prediction and new functional annotations for hundreds of genes through experimental screens.*


 **Genome biology 20 (1), 1-23, 2019.**


E Asgari, AC McHardy, MRK Mofrad

 *Probabilistic variable-length segmentation of protein sequences for discriminative motif discovery (DiMotif) and sequence embedding (ProtVecX).*

 **Scientific reports 9 (1), 3577, 2019.**


E Asgari, PC Münch, TR Lesker, AC McHardy, MRK Mofrad

 *DiTaxa : nucleotide-pair encoding of 16S rRNA for host phenotype and biomarker detection.*


 **Bioinformatics 35 (14), 2498-2500, 2019.**

E Asgari, MRK Mofrad

 *Deep genomics and proteomics : Language model-based embedding of biological sequences and their applications in bioinformatics.*


 **Leveraging Biomedical and Healthcare Data, 167-181, 2019.**


A Ehsaneddin, CMH Alice, RK Mohammad

 *Probabilistic variable-length segmentation of protein sequences for discriminative motif discovery (DiMotif) and sequence embedding (ProtVecX).*

 **Scientific Reports 9 (1), 3577, 2019.**



E Asgari, N Poerner, AC McHardy, MRK Mofrad

 *DeepPrime2Sec : deep learning for protein secondary structure prediction from the primary sequences.*



 **BioRxiv, 705426, 2019.**

## Year 2018



E Asgari, K Garakani, AC McHardy, MRK Mofrad

-  *MicroPheno : Predicting environments and host phenotypes from 16S rRNA gene sequencing using a k-mer based representation of shallow sub-samples.*  
 **Bioinformatics 34 (13), i32-i42, 2018.**

Z Jahed, D Fadavi, UT Vu, E Asgari, GWG Luxton, MRK Mofrad

-  *Molecular insights into the mechanisms of SUN1 oligomerization in the nuclear envelope.*  
 **Biophysical journal 114 (5), 1190-1203, 2018.**

H Adel, E Asgari, H Schütze

-  *Overview of character-based models for natural language processing.*  
 **Lecture Notes in Computer Science (LNCS)**, book series (LNCS, volume 10761) 2018, 3–16.

## Year 2017

E Asgari, H Schütze



-  *Past, present, future : a computational investigation of the typology of tense in 1000 languages.*  
 *In Proc. of the Empirical Methods on Natural Language Processing (EMNLP), 2017.*  
**Highlighted by MIT Tech. Review Magazine & LMU Research Magazine**

E Asgari, A Sanaei



-  *Measuring Countries' Human Rights Positions in UN Universal Periodic Review.*  
 **American Political Science Association (APSA) annual meeting, 2017.**

## Year 2016



E Asgari, MRK Mofrad

-  *Comparing Fifty Natural Languages and Twelve Genetic Languages Using Word Embedding Language Divergence (WELD) as a Quantitative Measure of Language Distance.*  
 **In Proc. of the NAACL-HLT Workshop on Multilingual Methods in NLP, 2016.**  
**Best Paper Award**

E Asgaria, S Nasiriany, M Mofrad



-  *Text Analysis and Automatic Triage of Posts in a Mental Health Forum.*  
 **In Proc. of the NAACL-HLT Workshop on Computational Linguistics and Clinical Psychology : From Linguistic Signal to Clinical Reality, 2016.**

H Schuetze, H Adel, E Asgari

-  *Nonsymbolic Text Representation.*  
 **arXiv preprint arXiv :1610.00479, 2016.**  
*Originally was a short paper written by the first author at the EACL 2017.*



## Year 2015

E Asgari, MRK Mofrad

-  *Continuous distributed representation of bio. sequences for deep proteomics and genomics.*  
 **PloS one 10 (11), e0141287, 2015.**

## Year 2014

M Neshati, D Hiemstra, E Asgari, H Beigy


-  *Integration of scientific and social networks.*  
 **World wide web 17, 1051-1079, 2014.**



## Year 2013

E Asgari, JC Chappelier

 *Linguistic Resources & Topic Models for the Analysis of Persian Poems.*

 **In Proc. of the NAACL-HLT Workshop on Comp. Ling. for Literature, 2013.**


E Asgari, M Ghassemi, MA Finlayson

 *Confirming the themes and interpretive unity of Ghazal poetry using topic models.*

 **Neural Information Processing Systems Workshop for Topic Models, 2013.**

M Neshati, E Asgari, D Hiemstra, H Beigy


 *A Joint Classification Method to Integrate Scientific and Social Networks.*

 **Advances in Information Retrieval, 122-133, 2013.**

## RESEARCH EXPERIENCES


 **Industrial Project Topics** AI Innovation Center, Volkswagen *Jan. 2019 - 2023*


 Large language model-based chat bot solution

 Large language model-based data annotation tool

 Sentiment and aspect analysis


 Text classification pipeline


 Automatic event extraction

 **Post-doctoral at HZI** Machine learning for infection research *Aug. 2019 - present*

(i) Anti-bacterial resistance prediction and analysis, (ii) Host phenotype prediction from microbial communities, and (iii) Deep chemical and genome language modeling.

**PI : Prof. A. McHardy**

 **Visiting at LMU-Munich** Deep language processing

 Character-level and subword-level NLP for 1000 languages. *Feb. 2017 - Jan. 2019*

 Detection of new trends in scientific communities. *Jun. 2014 - Aug. 2014*

**PI : Prof. H. Schütze**

 **Collab. with UC Berkeley Near Eastern Studies Dep.** Ancient scripts *Feb. 2017-Jan. 2019*

Statistical language processing for cuneiform.

**PI : Prof. N. Veldhuis and Dr. Eduardo Escobar**

  **Life Language Processing at UCB** Protein/microbial informatics *Aug. 2014 - Present*


Introducing language-model based representation of biological sequences in my PhD thesis and currently co-supervising the new PhD students of the lab.

**PI : Prof. M. Mofrad**

 **Visiting at MIT-CSAIL** Story Analysis *Sep. 2013 - Mar. 2014*


Structural and semantic analysis of narratives using, particularly developing an algorithm for automatic merging of stories.

**PI : Prof. P. Winston and Prof. M. Finlayson**

 **Visiting at MIT-Harvard** EEG Processing *May 2013 - Sep. 2013*

Neural signal processing for sleep phase detection.

**PI : Prof. E. Brown**

 **Intern at Audiovisual Communications Lab at EPFL** ECG Processing *Jan 2013 - May. 2013*




Research assistant : Efficient real-time ECG processing on mobile phones in collab. with Qualcomm.

**PI : Prof. M. Vetterli**

 **Intern at Artificial Intelligence Lab at EPFL** Literature analysis *Aug. 2012 - Feb. 2013*

Computational semantic analysis of Persian poetry in 1000 years.

**PI : Dr. J-C. Chappelier**

-  **Intern at Non-Invasive BCI Lab at EPFL** EOG/EEG Processing *Dec. 2011 - Jul. 2012*  
Eye-tracking supervision for brain-computer interface.  
**PI : Prof. J. Milan**
-  **AI Lab at Sharif Uni.** Expert Finding *Jul. 2011 - Jan. 2012*  
Enriching expert finding using social network matching.  
**PI : Dr. Hamid Beigy**
-  **Intern at the ADSC of UIUC** Computer Vision *Jul. 2010 - Sep. 2010*  
Efficient Visual Computing for Interactive Vision Applications on Mobile Devices.  
**PI : Prof. M. Winslett**