

# Dr. Fahad Ghamdi

Department of Computer Science  
Faculty of Computing and Information Technology  
Al-Baha University

## CONTACT



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## ACADEMIC QUALIFICATIONS

### 2013 - 2020

Ph.D. Computer Science:

The George Washington University, GPA: 3.84 out of 4.00.

Advisor: Dr. Mona Diab

### 2011 - 2013

M.S. Computer Science

The George Washington University, GPA: 3.863 out of 4.00.

### 2005 - 2009

B.Sc. Computer Science:

King Abdulaziz University, GPA: 4:48 out of 5 with Second

Class Honor.

## SKILLS

**Languages and Tools:** Java, Python, PHP, HTML, Visual Basic, MySQL, PostgreSQL, LaTeX, Tensorflow, Keras, Theano, Pytorch, and WEKA (this is not everything it is just to give an indication).

**Operating Systems:** Windows, Mac OS X, Linux, UNIX

**Languages:** Arabic, English.

**Working with teamwork in projects.**

## WORK EXPERIENCE

### 21/08/2023 - Present

Head of the Department of Engineering and Computer Science in the Faculty of Computing and Information Technology at Al-Baha University, (BU), SA

### 20/05/2020 - Present

Assistant Professor in the Faculty of Computing and Information Technology at Al-Baha University, (BU), SA

### 10/03/2020 - 20/04/2020

Language Developer Consultant at Cerence, USA

### 20/07/2018 - 01/07/2020

Language Developer Intern at Nuance, USA

### 15/08/2016 - 02/11/2019

Graduate Research Assistant at George Washington University, USA

### 01/09/2014 - 31/05/2016

Graduate Teaching Assistant (GTA) at George Washington University, USA

### 20/05/2013 - 20/05/2020

Lecturer in the Faculty of Computing and Information Technology at Al-Baha University (BU), SA

## CETIFICATES

- Computer Security and Information Assurance Graduate Certificate from George Washington University.
- Artificial Intelligence Analyst 2022 - Mastery Award was issued by IBM

## TEACHING EXPERIENCE

● **08/01/2020 - 15/05/2022**

Assistant Professor, Al-Baha University (BU).

Graduate Courses: Deep Learning, Computational Intelligence, Autonomous Agent and Multi Agent

Undergraduate Courses: Machine Learning, Database, Computer Networks, Software Engineering, Graduation Project1

● **01/09/2014 - 31/05/2016**

Graduate Teaching Assistant (GTA) at GWU

Course: Software Testing, Computer System Architecture.

● **08/05/2009 - 15/12/2009**

Teaching Assistant (TA), Al-Baha University (BU).

Course: Computer Networks.

Course: Software Engineering

## RESEARCH INTERSTS

- Natural Language Processing.
- Linguistics Code Switching analytics
- Social media analytics.
- Apply machine learning/deep learning techniques.
- Text analytics and information extraction,
- Sentiment and emotion analysis

## Current/Ongoing Projects

- **Transfer Learning Approaches for Processing Arabic dialects:**

Investigating the adaptation of transfer learning-based approach in the context of CS for a set selected syntactic NLP tasks. The NLP tasks include Language ID (LID), tokenization (TOK), Part of speech tagging (POS), and base phrase chunking (BPC). The main goal of transfer learning-based approaches is to mitigate the problem of the scarcity of annotated data.

## AWARDS

- In Bachelor, my graduation research project (Ontology Builder) took fourth place among more than one hundred projects.
- Receiving an appreciation letter from the Saudi Telecom Company (STC) for the software program I designed. The software organizes administrative paperwork and allows supervisors and operators in the Saudi Telecom Company (STC) to communicate with each other while both of them are at their desks.

## THESIS SUPERVISION

[01.2021] **Bushra AlFakeeh**, Master

*Thesis: Sentiment Analysis of Arabic Dialects using Deep Learning*

Department of Engineering Computer Science, Al-Baha University, Saudi Arabia

[01.2021] **Mohamad Alshaer**, Master

*Thesis: Name Entity Recognition System for Arabic Dialects using Deep Learning Networks*

Department of Engineering Computer Science, Al-Baha University, Saudi Arabia

# PROFESSIONAL SERVICE

- Reviewing (Conference):
    - The 2nd Conference of the Asia-Pacific Chapter of the Association for Computational Linguistics and the 12th International Joint Conference on Natural Language Processing (AAACL-IJCNLP 2022)
    - The Conference on Empirical Methods in Natural Language (EMNLP 2021)
    - Annual Meeting of the Association for Computational Linguistics (ACL 2020)
    - The Conference on Empirical Methods in Natural Language (EMNLP 2020)
  - Publications & Shared Task Chairs:
    - The Third Workshop on Computational Approaches to Linguistic Code-switching. ACL 2018.
    - The Second Workshop on Computational Approaches to Code Switching. EMNLP 2016.
    - The First Workshop on Computational Approaches to Code-Switching. EMNLP 2014.
  - Reviewing (Workshop):
    - The First Workshop on Computational Approaches to Code Switching. EMNLP 2014.
    - The Second Workshop on Computational Approaches to Code Switching. EMNLP 2016.
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# PUBLICATIONS

- Zia, Adil, Musaad Alzahrani, Abdullah Alomari, and **Fahad AlGhamdi**. "Investigating the Drivers of Sustainable Consumption and Their Impact on Online Purchase Intentions for Agricultural Products." Sustainability 14, no. 11 (2022): 6563.
- **Fahad AlGhamdi**, Mona Diab. 2020. A Multitask Learning Approach for POS Tagging and Language Identification for Code Switching Data, Proceedings of the 28th international conference on computational linguistics (CoNLL 2020), November 19-20, 2020 Association for Computational Linguistics (ACL). (Under Review)
- **Fahad AlGhamdi**, Mona Diab. 2019. Leveraging Pretrained Word Embeddings for Part-of-Speech Tagging of Code Switching Data, Proceedings of the Sixth Workshop on NLP for Similar Languages, Varieties and Dialects (VarDial 2019), Minneapolis, MN, June. Association for Computational Linguistics (ACL).
- Saad Alqithami, Musaad Alzahrani, **Fahad AlGhamdi**, Rahmat Budiarto, Henry Hexmoor, 2019. A Measurement of Social Capital in an Open Source Software Project, In Proceedings of the International Conference on Social Computing, Behavioral-Cultural Modeling & Prediction and Behavior Representation in Modeling and Simulation (SBP-BRiMS 2019), USA, Washington DC
- **Fahad AlGhamdi**, Mona Diab. 2018. WASA: A Web Application for Sequence Annotation, In Proceedings of the Eleventh International Conference on Language Resources and Evaluation (LREC 2018), Miyazaki, Japan, May. European Language Resources Association (ELRA).

- **Fahad AlGhamdi**, Gustavo Aguilar, Victor Soto, Thamar Solorio, Mona Diab, and Julia Hirschberg. 2018. Overview for the shared task on the Named Entity Recognition on Code-switched Data. In Proceedings of the Third Workshop on Computational Approaches to Linguistic Code-Switching, ACL2018, Melbourne, Australia, July. Association for Computational Linguistics.
- Gustavo Aguilar, **Fahad AlGhamdi**, Victor Soto, Thamar Solorio, Mona Diab, and Julia Hirschberg. 2018. Proceedings of the Third Workshop on Computational Approaches to Linguistic Code-Switching. In Proceedings of the Third Workshop on Computational Approaches to Linguistic Code-Switching, ACL2018, Melbourne, Australia, July. Association for Computational Linguistics.
- **Fahad AlGhamdi**, Giovanni Molina, Mona Diab, Thamar Solorio, Abdelati Hawwari, Victor Soto, and Julia Hirschberg. 2016. Part of speech tagging for code switched data. In Proceedings of the Second Workshop on Computational Approaches to Code Switching, pages 98–107, Austin, Texas, November. Association for Computational Linguistics.
- Giovanni Molina, **Fahad AlGhamdi**, Mahmoud Ghoneim, Abdelati Hawwari, Nicolas Rey-Villamizar, Mona Diab, and Thamar Solorio. 2016. Overview for the second shared task on language identification in code-switched data. In Proceedings of the Second Workshop on Computational Approaches to Code Switching, pages 40–49, Austin, Texas, November. Association for Computational Linguistics. Social, Cultural, and Behavioral Modeling.
- Mona Diab, Mahmoud Ghoneim, Abdelati Hawwari, **Fahad AlGhamdi**, Nada AlMarwani and Mohamed Al-Badrashiny. 2016. Creating a Large Multi-Layered Representational Repository of Linguistic Code Switched Arabic Data, In Proceedings of the Tenth International Conference on Language Resources and Evaluation (LREC 2016), Portorož, Slovenia, May. European Language Resources Association (ELRA).
- Thamar Solorio, Elizabeth Blair, Suraj Maharjan, Steve Bethard, Mona Diab, Mahmoud Gonheim, Abdelati Hawwari, **Fahad AlGhamdi**, Julia Hirshberg, Alison Chang, and Pascale Fung. 2014. Overview for the first shared task on language identification in codeswitched data. In Proceedings of the First Workshop on Computational Approaches to Code-Switching. EMNLP 2014, Conference on Empirical Methods in Natural Language Processing, Doha, Qatar, October. Association for Computational Linguistics.