

Ibrahim Abdel Moniem Ibrahim

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EDUCATION

University of Queensland, Australia 2014 – 2018

Ph.D. in Big Data Visualizations and Data Science

Supervisors: [Prof. Xue Li](#), Dr. Xin Zhao

Ph.D. study in the [Date Science \(DAS\) group](#), School of Information Technology and Electrical Engineering.

Thesis: *“Constraint-based Recommendations of Query Visualization in Big Data”*.

July 2018.

Ain Shams University 2005 – 2008

M.Sc. in Information Systems, Faculty of Computer and Information.

Supervisor: Prof. Mohamed A. Sharkawy

Co-Advisor: Prof. Hesham A. Ali

Thesis: *“Knowledge Extraction from Transformed Warehousing Web Data Using XML”*.

Mansoura University 2001

B.Sc. in Computers and Information Systems, Faculty of Computer Science and Information Systems, Information System Department.

RESEARCH AND TEACHING INTEREST

1. Database Systems.
2. Discrete Mathematics.
3. System Analysis and Design.
4. Software Engineering.
5. Machine Learning.
6. Data visualization.
7. Knowledge Discovery and Data Mining.

PUBLICATIONS

- *Learning Concept Hierarchy from Short Texts Using Context Coherence*
Abdulqader Almars, Xue Li, **Ibrahim A.Ibrahim** and Xin Zhao, *Web Information Systems Engineering WISE'19 (CORE A)* November 12-15, 2018, Zayed University, *Dubai, United Arab Emirates*.
- *Automated Explanations of User-expected Trends for Aggregate Queries*,
 - **Ibrahim A. Ibrahim**, Xue Li, Xin Zhao, Sanad Al Maskari, Abdullah M. Albarrak, and Yanjun Zhang. The 22nd Pacific-Asia Conference on Knowledge Discovery and Data Mining, PAKDD 2018(CORE A), *Melbourne, Australia*.
- *Interesting recommendations based on hierarchical visualizations of medical data*

- **Ibrahim A. Ibrahim**, Abdulqader M. Almars, Suresh Pokharel, Xin Zhao, and Xue Li. Big Data Analytics for Social Computing DBASC18, **PAKDD'18** Workshop, *Melbourne, Australia (CORE A)*.
- *Feature Extraction for Smart Sensing Using Multi-Perspectives Transformation*
 - Sanad Al-Maskari, **Ibrahim A. Ibrahim**, Xue Li, Eimad Abusham and Abdulqader Almars, The Australian Database Conference **ADC 2018**, *Gold Coast, Australia*.
- *Efficiently Mining Constrained Subsequence Patterns*
 - Abdullah Albarrak, Sanad Al-Maskari, **Ibrahim A Ibrahim**, Abdulqader M Almars, International Conference on Advanced Data Mining and Applications **ADMA 2018**, *China*.
- *Evaluation Methods of Hierarchical Models*
 - Abdulqader M Almars, **Ibrahim A Ibrahim**, Xin Zhao, Sanad Al-Maskari, International Conference on Advanced Data Mining and Applications **ADMA 2018**, *China*.
- *Structured Sentiment Analysis*
 - Abdulqader Almars, Xue Li, Xin Zhao, **Ibrahim A. Ibrahim**, Weiwei Yuan, Bohan Li, International Conference on Advanced Data Mining and Applications **ADMA 2017**, *Singapore*.
- *Constrained recommendations for query visualizations*
 - **Ibrahim A. Ibrahim**, Abdullah M. Albarrak, Xue Li, Knowledge, and Information Systems (**KAIS**) **Journal**, May 2017, Volume 51, Issue 2, pp 499–529 (Full research paper, PDF).

CURRENT WORK

MyGene Blockchain Medical Related Project

- Article: “*Can I own my Gene?*”
- Xue Li, **Ibrahim A. Ibrahim**, Yanjun Zhang · Xin Zhao · Yu Li · Mingyang Zhong, *DAS Group*, University of Queensland.

UTE: User Trends Explanations for Aggregate Queries based on Similarity Discovery

- **Ibrahim A. Ibrahim** , Xue Li , Abdulallah M. Albarak, Xin Zhao · Mingyang Zhong, *DAS Group*, University of Queensland.

PROFESSIONAL EXPERIENCE

Minia University, Egypt (Aug 2018 – Present).

- Assistant Professor in *Faculty of Computers and Information*.
- Bioinformatics department Head (November 2021 – Present).
- Director of *Public Service Centre of Software and information*. (July 2019 – Present).

University of Queensland, Australia. (Oct 2017 – June 2018).

- Research Technical Assistant in the **DAS group**, *School of Information Technology and Electrical Engineering*.

Beijing Genome Institute and the University of Queensland (Nov 2016 – June 2017).

- Team Leader of Medical blockchain for Human genome project.

Dimension Data, Australia (Mar 2016 – Sep 2016).

- Senior Data Scientist for Visual analytics of lottery data in Australia.

University of Queensland, Australia. (May 2014 – June 2018).

- Ph.D. Candidate in the ***DAS group***, *School of Information Technology and Electrical Engineering*, supervised by **Prof. Xue Li** and **Dr. Xin Zhao**.

Minia University, Egypt (Sept 2009 – Dec 2013).

- Assistant Lecturer *Faculty of Computers and Information*.

Minia University, Egypt (Oct 2003 – Aug 2008).

- Demonstrator in *Faculty of Computers and Information*.

HONORS AND AWARDS

- Postgraduate Research Scholarship Culture affairs and mission sector, Egypt.

Skills

Programming Languages:

- Java, C ++, Go Language, R, Python

Database & System Analysis:

- PostgreSQL, MySQL, MonetDB. Oracle, SQL Server, MIT c-store database. HP Vertica

Big Data Visualization Tools:

- Tableau public, Spotfire Google Analytics, Amazon Web Services

Blockchain Technologies:

- Smart Contracts (Bitcoin-Etheruem- Ripple), IPFS-The Distributed Web.

Operating Technologies:

- Ubuntu Linux, Red Hat, Suse Linux, Windows

References *(Contact details will be provided upon request)*

- Prof. Xue Li
Professor at School of Information Technology and Electrical Engineering, ***DAS group*** - University of Queensland, Australia, (Principle Advisor)
- Dr. Xin Zhao
Postdoctoral Research Fellow at School of Information Technology and Electrical Engineering, ***DKE group*** - University of Queensland, Australia, (Co-Advisor)

- Associate Professor. Bolong Zheng, *School of Computer Science and Technology*, Huazhong University of Science and Technology, **China**.
- Prof. Shazia Sadiq
Professor at School of Information Technology and Electrical Engineering, **DAS group** - University of Queensland, Australia.
- Dr. Mingyang Zhong
Postdoctoral Research Fellow, School of Information Technology and Electrical Engineering, **DAS group** - University of Queensland, Australia.
- Dr. Saeid Hosseini,
Research fellow Singapore University of Technology and Design
- Professor. Awny Abdel Hady
*School of science- **Computer Science Dept.** Minia University, Egypt*