Academic Resume

Taghreed Bagies

Assistant Professor, Information Technology Department

"You can do what you want to do"!

Contact Information.

Building FCIT, Room S-158, tbagies@kau.edu.sa.

Highest Degree.

2020, Doctor of Philosophy, Software Engineering, Iowa State Univeristy, USA.

Academic and Professional Experiences.

1. **2022 - Present**
   Director of Development and Training Unit, Jeddah, King Abdulaziz University.
2. **2022 - 2022**
   Evaluator of Master Thesis, Master Cybersecuity, King Abdulaziz University.
3. **2022 - 2022**
   Reviewer, Jeddah, Makkah Days for Programming and AI.
4. **2021 - 2022**
   Lecturer of the Database Security course, Maseter of Cybersecuity, King Abdulaziz University.
5. **2021 - 2021**
   Reviewer, Jeddah, Hackathon cyberspace.
6. **2021 - 2021**
   Reviewer, Taif, Saudi Arabia, 2021 IEEE 4th National Computing Colleges Conference (NCCC 2021).
7. **2020 - 2021**
   Lecturer of the Security Engineering course, Diploma Cybersecuity, King Abdulaziz University.
8. **2019 - 2020**
   Teaching Assistant, USA, Iowa State University.
9. **2016 - 2017**
   Teaching Assistant, USA, University of Delaware.
10. **2011 - 2012**
    Teaching Assistant, USA, DePaul University.
11. **2007 - Present**
    Faculty member, Jeddah, King Abdulaziz University.
12. **2004 - 2007**
    Web developer, Jeddah, King Abdulaziz University.

Last Profile Update: May 07, 2024

Research Interests.

Machine Learning, Security Engineering, Deep Learning, Cybersecurity, HCI, Natural Language Processing, Cybersecurity, Software Engineering.

Teaching Interests.

Software engineeringI, Software engineering II, Design Pattern, System Analysis and Design.

Certifications and Trainings.

1. English Language Academy: intensive four-course ESL curriculum.
2. Programming Proficient in Java, C#, C++, C, Smalltalk, PHP, ASP, ASP.NET, Scala, Scheme, Python, MySQL, HTML, JavnaScript, JavaServlet and JSP.
3. Experienced in NVPROF, Nsight Compute CLI , CUDA, OpenMP and OpenMP GPU Offloading.
4. Experienced Stanford Tools and Kinect toolkit.

Social, Scientific and Professional Affiliation.

1. 2019-2020, Vice president of Saudi Students Association, Iowa State University.
2. 2010-2012, Vice president of Saudi Students Association, DePaul University.

Excellence Awards and Patents.

1. 2012, International, Upsilon Pi Epsilon
2. 2003, Interior, The second place of the best website, Savola Group
3. 2012, International, Golden Key
4. 2023, Interior, SAQAR, FCIT DAY.
5. 2012, International, ACM, ACM.
6. 2023, Interior, Eventful, FCIT DAY.
7. 2023, Interior, SAQAR, åÇßËæä ÌÏÉ ÇáÃÌãá.

Funded Projects.

1. 2014, Load testing, University of Illinois Chicago
2. 2014, Survey paper: testing performance, University of Illinois Chicago
3. 2019, Source code characteristics affecting the test execution on GPU, Iowa State University
4. 2017, Exploring the feasibility of automatic abstracting regular expressions as meaningful English phrases for program comprehension, Delaware University
5. 2014, Analyzing software engineering artifact by using natural language processing, University of Illinois Chicago
6. 2013, Human factor in security, University of Illinois Chicago
7. 2013, Implementing a basketball statistical data program by using Kinect, University of Illinois Chicago, Project.
8. 2018, Survey paper: code transformation for mutation testing, Iowa State University

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Publications.

1. Taghreed Bagies, Wei Le, Jeremy Sheaffer, Ali Jannesari, "Reducing Branch Divergence To Speed Up Parallel Execution Of Unit Testing On Gpus", The Journal Of Supercomputing, 2023.

2. Taghreed Bagies, Ali Jannesari, "An Empirical Study Of Parallelizing Test Execution Using Cuda Unified Memory And Openmp Gpu Offloading", 4th Ieee Workshop On Next Level Of Test Automation, Ieee International Conference On Software Testing, Verification And Validation (Icst) 2021, 2021.

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