

Adil Al-Azzawi

Contact

Visiting Professor
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Bio

I received my second Ph.D. in Electrical Engineering and Computer Science in 2019 from University of Missouri-Columbia. Also, I received my second M.S. in Computer Engineering in 2017 from University of Missouri-Columbia. I earned my first M.S. in Computer Science from University of Technology, Iraq in 2005. I also earned my bachelor's degree in Software Engineering from Al-Rafidain University, Iraq in 2001. My research is mainly focused on the Bioinformatics, especially developing data-driven computational methods (particularly machine learning, deep learning, and computational optimization methods) for cryo-EM based protein structure modeling. In addition, he is interested in developing data mining and machine learning methods for fully automate Single Particle Analysis (SPA) framework. I have been selected and awarded as a third ranked researcher in the Computational Biology and Bioinformatics during the MU life Science Week in 2019.

Education

- Ph.D., Electrical Engineering and Computer Science, University of Missouri-Columbia, 2019
- M.S., Computer Engineering, University of Missouri-Columbia, 2017
- M.S., Computer Science, University of Technology, Iraq, 2005
- B.S., Software Engineering, Al-Rafidain University, Iraq, 2001

Courses/Teaching

- CSE 4010 – Computer Architecture
- CSE 4880 – Ethics Senior Seminar
- CSE 5700 – Compiler
- CSE 6700 – Compiler Design Theory

Research and Teaching Interests

My research area is Bioinformatics, it involves data-driven computational methods (particularly machine learning, deep learning, and computational optimization methods) a special focus on cryo-EM based protein structure modeling. Also, I'm interested in developing data mining and machine learning methods for fully automate Single Particle Analysis (SPA) framework.