Eslam Zaher

Email: e.zaher@uq.edu.au
Github: github.com/Eslam-Zaher
Spoken languages: Arabic (native), English (proficient), French (basic)

Brisbane, Australia
Mobile:+61-423-831-655

EDUCATION

The University of Queensland — Queensland, Australia
Doctor of Philosophy (Ph.D.), School of Mathematics — *Apr. 2023 - Aug. 2026*
- **Topic:** Interpretable Artificial Intelligence

Zewail University of Science and Technology — Cairo, Egypt
Bachelor of Science (BSc.), Communications and Information Engineering — *Sept. 2016 - July. 2021*
- **Concentration:** AI Engineering
- **GPA:** 3.71/4.0 (*Cum Laude*)
- **Awards:**
  * Provost's List
  * Best Poster Presentation in Computer Science - June, 2018

WORK EXPERIENCE

Giza Systems — Cairo, Egypt
Associate Data Scientist (Full-time) — *Jan. 2022 - Jan. 2023*
- Building REST APIs and advanced analytics algorithms & pipelines as part of the Industrial Digital Product (IDP)
- Designing and automating machine learning pipelines in production environments
- Contributing to high level & low level product design, and performing PoCs on data-centric technologies

ezSec Inc. — Ontario, Canada
AI Engineer (Part-time, Contractual, Remote) — *March. 2022 - June. 2022*
- Worked on unifying, standardizing, and mining security logs in SoC
- Developed unsupervised machine learning models for security alerts clustering and anomaly detection

RESEARCH & TEACHING EXPERIENCE

The University of Queensland — Brisbane, Australia
Teaching Assistant (Part-time) — *Aug. 2023 - Present*
- Providing guidance and delivering tutorials for the Artificial Intelligence class, COMP3702

Communications and Information Engineering Department, Zewail City — Cairo, Egypt
Quantum Machine Learning Research Intern — *Oct. 2020 - Jan. 2021*
- Designed and implemented quantum convolutional kernels and encoders to exploit complex functional forms in low-resolution image data
- Prototyped hybrid classical-quantum neural networks for image recognition and similarity learning tasks

Zewail University of Science and Technology — Cairo, Egypt
Junior Teaching Assistant — *Oct. 2020 – Feb. 2021*
- Prepared and delivered tutoring sessions and lab work for linear algebra and machine learning classes
- Assisted in preparing and grading assignments and quizzes

SELECTED WORKSHOPS & SCHOOLS

- AMSI Winter School 2023 on Modelling Our Changing Biosphere, Queensland, Australia.