Zainab Mohammad

An enthusiastic and highly motivated biotechnologist with strong computing skills. My background in molecular biology has equipped me with the necessary skills to perform a variety of laboratory techniques, and my computing skills have allowed me to analyze biological data very efficiently. I am eager to become a biology teaching assistant to educate the new generations about the recent advancements in biology and to further develop my research and communication skills. This position will also provide valuable experience to support my future career aspirations, including pursuing a Ph.D. in computational biology.

EXPERIENCE

Kuwait University, Kuwait — *Research assistant*
2023 - present
Worked as a research assistant in Dr. Hussain Bahbahani lab in the Department Biological Science, performing whole genome analysis.

Kuwait University, Kuwait — *Teaching assistant*
2021 – 2023
Worked and volunteered as a teaching assistant for different Biology courses, instructing students in different lab techniques and introductory biology concepts for classes of 24 students.

Kuwait University, Kuwait — *Research student*
2017 – 2023
Worked as a Bioinformatics Research student to Dr. Hussain Bahbahani in the Department Biological Science, performing whole genome analysis and initiating educational group.

Computer engineering Society, Kuwait — *Teaching Assistant*
October 2018 – November 2018
Volunteered as a Swift programming language Teaching Assistant to correct projects and help students for a class of 50 students.

EDUCATION

Collage of Graduate Studies, Kuwait — *MSc in Biotechnology (GPA 4)*
September 2021 – February 2024

Collage of Sciences, Kuwait — *BSc in Plant & Molecular biology (GPA 3.92)*
September 2016 - March 2021

CERTIFICATES

CODED, Kuwait – *Data Scientist*
July - September 2023
Graduated from Data Science bootcamp that covered topics such as Machine learning, Advanced visualizations, and Introduction to deep learning.

COMPUTER ENGINEERING SOCIETY, Kuwait – *IOS development course*
2018

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SKILLS

Biological skills: Nucleic acid extraction, digital droplet PCR, real-time PCR, gel electrophoresis, cloning, cells transformation, sequencing, whole genome mapping and genomic data analysis.

Computing skills: Python (Programming language), AI skills (Machine learning and Deep learning)

Scientific computing: R.

Platforms: Linux, MacOS and Windows.

AWARDS

1st place award, Kuwait Society of Engineers, 2018. Best iOS application concept.

2nd place in Women Techmakers 2017, Kuwait. Best website

1st place medal and $3000 award, National Science Exhibition, Kuwait, 2011. Morphological similarities between pet and owner, friends, and couples.

COMPUTER ENGINEERING SOCIETY, Kuwait – *python course*
2018

Women Techmakers, Kuwait – *Website development course*
2017

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Languages

Arabic (Native), English (Fluent)

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CONFERENCES AND WORKSHOPS

Digital droplet PCR workshop, Biotechnology center, Kuwait 2024

Kuwait University Scientific Poster Conference, Kuwait 2024

Biological Sciences Poster Conference, Kuwait 2023

Kuwait University Scientific Poster Conference, Kuwait 2022

PUBLICATIONS

Assessing genetic diversity and defining signatures of positive selection on the genome of dromedary camels, Frontiers, 2023

Detection of copy number variants in the genome of dromedary camels (Pending publication)

Copy number variants in Racing and Non-Racing dromedary camels (Pending publication)