

SUMMARY

A senior Computer Science student with research experience in Implicit Neural Representations (INRs), Computational Imaging, and Machine Learning in multiple renowned institutions. Looking to pursue a Ph.D. in the field and continue working in research.

EDUCATION

Computer Science, Bachelor of Science

Arizona State University, Tempe, AZ

MAR 2023

GPA: 3.97 out of 4.0

Computer Science, Transfer

Seattle Central College, Seattle, WA

AUG 2019 – JUN 2020

GPA: 3.81 out of 4.0

RESEARCH EXPERIENCE

Undergraduate Researcher

AUG 2021 – Present

School of Art, Media and Engineering at Arizona State University, Tempe, AZ

- Worked with Prof. Suren Jayasuriya on reconstruction problems using implicit neural networks.
- Focused on reconstruction in two applications: Computed Tomography (CT) and sonar.
- Built methods tackle highly ill-posed sparsity problems in sonar.
- Awarded the FURI program research funding to work on memory-efficient CT reconstruction.

Research Intern

May 2022 – Present

King Abdullah University of Science and Technology (KAUST), Thuwal, Saudi Arabia

- Worked with Prof. Wolfgang Heidrich on implicit neural representations (INR) in the Fourier domain.
- Focused on applications of frequency-based INR for inverse problems.
- Hypothesized new methods to enhance the frequency-based rendering and representation with INRs.

Summer Research Intern

JUN 2021 – AUG 2021

King Abdullah University of Science and Technology (KAUST), Thuwal, Saudi Arabia

- Worked in the Visual Computing Center under the supervision of Prof. Peter Wonka on implicit neural networks.
- Implemented different machine learning papers for learning and presenting high frequencies inputs.
- Experimented with various deep learning architectures for representing high frequencies in INRs.

PROFESSIONAL EXPERIENCE

Undergraduate Teaching Assistant

JAN 2021 – Present

Ira A. Fulton Schools of Engineering at Arizona State University, Tempe, AZ

- Assisted the main instructor in delivering an introduction to engineering class.
- Revised the course materials and activities and suggested new improvements.
- Reviewed the students' submissions and provided constructive feedback when applicable.

Cloud Solutions Engineer

MAR 2019 – AUG 2019

Sahara Net, Dammam, Saudi Arabia

- Performed and administered Microsoft 365 migration for SME clients with more than 600 users.
- Developed and designed cloud-based solutions to replace the clients' legacy systems.
- Studied the clients' on-premise infrastructure and provided better alternatives on the cloud.

System Administrator**OCT 2017 – FEB 2019**

Sahara Net, Dammam, Saudi Arabia

- Administered multiple Windows and Linux servers with different platforms (cPanel, WHM & Plesk).
- Investigated and debugged a wide spectrum of technical faults, including DNS, mail, and web servers.
- Communicated with corporate clients daily to resolve their web and mail hosting issues.

Customer Care Agent**JAN 2016 – SEP 2017**

Sahara Net, Dammam, Saudi Arabia

- Managed more than 1500 domains from different domain name providers.
- Developed strategies to mitigate and prevent repetitive technical problems.
- Addressed the clients' complaints through phone, ticketing system, and emails.

TRAINING & COURSES

First Principles of Computer Vision, Columbia University**June 2022 – Present****Artificial Intelligence with Python Nanodegree, Udacity****March 2018****LEADERSHIP EXPERIENCE**

VP, MENA Students Union**JAN 2021 – May 2022**

Arizona State University, Tempe, AZ

Global Leadership Academy (Intercultural Competence and Communication Track)**AUG 2018 – DEC 2020**

Arizona State University, Tempe, AZ

Scrutineer**DEC 2018**

FIA Formula E, Ad Diriyah, Saudi Arabia

HONORS

Dean's List

- Fall 2019 Quarter, Seattle Central College, Seattle, WA.
- Winter 2020 Quarter, Seattle Central College, Seattle, WA.
- Spring 2020 Quarter, Seattle Central College, Seattle, WA.
- Fall 2020 Semester, Arizona State University, Tempe, AZ.
- Spring 2021 Semester, Arizona State University, Tempe, AZ.
- Spring 2022 Semester, Arizona State University, Tempe, AZ.

President's List

- Spring 2020 Quarter, Seattle Central College, Seattle, WA.

LANGUAGES

Arabic – Native**English** – Fluent**REFERENCES**

Available upon request.