

Osama Abu Hamdan

Software Engineer, Networks Engineer, SDN

✉ osamaabuhamdan@yahoo.com

🌐 oabuhamdan.com

☎ +1 (267) 595-1856

Education

PhD in Computer Science and Engineering [University of Texas at Arlington](#) Arlington, TX, USA
Since August 2023

MSc in Computer Science and Engineering [University of Nevada, Reno](#) Reno, NV
From August 2021 to August 2023
GPA of 3.9

BSc in Computer Engineering [University of Jordan](#) Amman, Jordan
From September 2015 to June 2020
GPA of 3.19

Work experience

Research Assistant [HPC Lab](#) Arlington, Texas
Since August 2021

- Working on Networking projects, mainly SDN and P4.
- Working with Mininet, ONOS, and OVS.

Software Engineer [Atypon Systems](#) Amman, Jordan
From October 2018 to August 2021

- Working with Back-end APIs and Components
- Debugging bugs efficiently and effectively
- Writing quality code, primarily in Java
- Developing clean and well-constructed code

Freelance Web Developer [Self-Employed](#) Remote
Since January 2020

- Web development using Django and Django Rest Framework.
- Dockerizing applications with Docker, and setting up web servers with Nginx.
- Good knowledge of HTML, CSS, JS, and Bootstrap.

Publications

Bandwidth and Congestion Aware Routing for Wide-Area Hybrid Networks

Osama Abu Hamdan, Scotty Strachan, and Engin Arslan
2022 IEEE International Symposium on Local and Metropolitan Area Networks (LANMAN)

UNR-IDD: Intrusion Detection Dataset using Network Port Statistics
Tapadhir Das, Osama Abu Hamdan, Raj Mani Shukla, Shamik Sengupta, Engin Arslan
2023 IEEE 20th Consumer Communications & Networking Conference (CCNC)

About me

Osama Abu Hamdan is a dedicated Ph.D. student in Computer Science and Engineering at the University of Texas at Arlington, specializing in Software Defined Networks (SDNs). He is an active member of the High-Performance Computing and Networking Lab (HPCN), working under the supervision of Dr. Engin Arslan.

Osama holds an MSc in Computer Science and Engineering from the University of Nevada, Reno(2023) and a BSc in Computer Engineering from the University of Jordan (2020). He brings valuable industry experience, having worked as a Java Backend Software Engineer at Atypon Systems for three years and freelanced as a Python Software Engineer for five years.

Osama Abu Hamdan is a well-rounded professional with a strong academic background and significant industry expertise in computer science and engineering.

Skills

Programming Languages

- Java
- Python

Frameworks

- Django
- Django Rest Framework
- Flask
- Spring

Other Technologies

- Docker
- AWS
- Linux
- Git
- GraphQL
- SQL
- Redis
- NGINX

Social networks

🐦 @oabuhamdan

in @oabuhamdan