

Sina Heidari

Curriculum Vitae

Personal Information

Email Address sinaheidari@znu.ac.ir
Personal Page <https://s1naheidari.github.io>
Github Page <https://github.com/S1naHeidari>
Skype ustoir

Education

University of Zanjan ZANJAN, IRAN
Master's degree in Computer Software Engineering 2021 – present
Focused on DevOps, and Resource Management in Serverless Computing Environments
GPA: 18.33 (out of 20); 4 (out of 4 using WES insturction)
Rank: 1st in class
Graduation: April 2023 (anticipated)

University of Kurdistan SANANDAJ, IRAN
Bachelor degree in Computer Software Engineering 2016 – 2021
Focused on Data Science, Linux Operating System, Virtualization and System Programming.
GPA (last two years): 3.57
Overall GPA: 15.79 (out of 20)

Research Interests

- Distributed Computing
 - Cloud Computing
 - Internet of Things
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Work in Progress

Sina Heidari, Sadoon Azizi, "QoS-aware and Energy-aware Resource Scheduling in Serverless Computing"

Research Experience

University of Kurdistan
Distributed Computing Systems Research Laboratory 2020 – present
Focused on Resource Management in Cloud and Serverless computing
Based on Kubernetes
Supervisor: Dr. Sadoon Azizi
Data Science Laboratory 2018 – 2021
Project: Data Exploratory Analysis (DEA) and Solution for Six Kaggle Challenges.
(Recommender Systems, Tweet Sentiment Extraction, Toxic Comment Classification, M5 Time Series Forecasting, Abstraction and Reasoning, Indoor Location and Navigation)
Supervisor: Dr. Parham Moradi

University of Zanjan
Master's Thesis, Department of Electrical and Computer Engineering 2021 – present
Title: Deep Reinforcement Learning for QoS-aware and Energy-aware Resource Scheduling in Serverless Computing
Supervisor: Dr. Majid Meghdadi
Co-supervisor: Dr. Sadoon Azizi

Teaching Experience

University of Kurdistan

Teaching Assistant

Summer 2017 & Fall 2017

Course title: Fundamentals of Computer and Programming

Responsibilities: Holding classes weekly and marking assignments.

Dr. Sadoon Azizi

Teaching Assistant

Winter 2018

Course title: Advanced Programming (Java)

Responsibilities: Holding classes weekly and marking assignments.

Dr. Rojiar Pir Mohammadiani

Test Scores

TOEFL 104: (R) 27 (L) 28 (S) 22 (W) 27 APRIL, 2022
GRE Registered to be taken in December 12, 2022

Skills

- Professional Python, C and C++ Programming
- GNU/Linux Administration
- Virtualization/Cloud: Kubernetes, Docker, AWS, Virtualbox, Vagrant, Xen, Ansible, Prometheus, CloudSim and EC2
- Data Science & Machine Learning: Scikit-learn, Pandas, NumPy, PyTorch, Selenium and NLTK
- Programming Languages: Java, Golang, JavaScript, Fortran, Bash and Git

Awards and Honors

Granted, National University Tuition Waiver (including partly necessary expenses) 2016
Ranked 7th, among all 135 engineering students in the University of Zanjan (1st in class)

Academic Projects

Software Engineering Project: Ticket Management System
Information Retrieval System Using Inverted Index and TF-IDF
Vagrant and Ansible Scripts to Create a Kubernetes Cluster on Virtual Machines
Data Exploratory Analysis and Solution for Kaggle's M5 Forecasting - Accuracy Challenge
Evaluating the Performance of the Hysteretic Q-Learning in the Ball-Balancing Task

Related Courses

- Advanced Computer Networks: 19/20
- Advanced Operating Systems: 20/20
- Internet of Things: 19/20
- Programming Languages: 18.64/20
- Software Engineering: 18.65/20
- Artificial Intelligence: 17/20

References

Dr. Sadoon Azizi	s.azizi@uok.ac.ir	https://research.uok.ac.ir/sazizi/en/
Dr. Parham Moradi	p.moradi@uok.ac.ir	https://research.uok.ac.ir/pmoradi/en/
Dr. Majid Meghdadi	meghdadi@znu.ac.ir	https://www.znu.ac.ir/members/meghdadi-majid/en/
Dr. Rojiar Pir mohammadiani	r.pirmohammadiani@uok.ac.ir	https://research.uok.ac.ir/rpirmohammadiani/en/