Hosein Kangavar Nazari

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About me

Self-motivated and hardworking postgraduate student studying at the Institute for Advanced Studies in Basic Sciences (IASBS) specializing in Computer Network. I am eager to carry out research as a PhD student.

- Gender: Male
- Age: 25
- Nationality: Iran

Research Interest

- Channel Coding
- Wireless Communication
- Information Theory
- Internet of Thing
- Linear Algebra

Education

2018-Present

MSc student of Computer Science

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran.

Thesis title: Energy-efficient network-coding based communications in IoT

2013-2017

BSc in Information Technology (IT)

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran.

Computer Skills

- **Programming languages**
  1. C/C++ (Intermediate)
  2. Python (High intermediate)
  3. Java-script (Expert)
  4. PHP (Intermediate)
- **Simulator**
  1. NS-3 (Elementary)
  2. Kodo (Intermediate)
- **Others**
  1. Graphic Software (Photoshop & Illustrator) (expert)
  2. Latex (Good knowledge)
  3. Wireshark (Elementary)

Relevant graduate courses passed

- Advanced Computer Network 1 (Coding Theory)
- Advanced Computer Network 2
- Signal Processing
- Advanced Algorithm Design
- Distributed Systems
- Real-time Systems
- Computational Data Mining
- Machine Learning
- Artificial Intelligence

Experience

Research Intern

Wireless Network Lab, Institute for Advanced Studies in Basic Sciences (2017)

Supervisor: Dr. Peyman Pahlevani

Key responsibilities: Developing an optimized form of network coding architecture for streaming video content based on video codec.

Research Intern

Wireless Network Lab, Institute for Advanced Studies in Basic Sciences (2015-2016)

Supervisor: Dr. Peyman Pahlevani

Key responsibilities: Developing a video chat application based on WebRTC technology. Developing and implementing marketing strategies.

Research Intern

Cloud Computing Lab, Institute for Advanced Studies in Basic Sciences (2013-2014)

Supervisor: Mr. Mohammad Ali Farajian

Key responsibilities: Developing a customized version of Open Stack private cloud.

Other

- IT represener of IASBS at research week firm in Zanjan (Fall 2018).
- University represener at 5th exhibition of ELECOMP fair (Fall 2017).
- IT represener of IASBS at research week firm in Zanjan (Fall 2016).
- Participated in JSWF Conference (Fall 2016).
- Lecturer in IASBS CPU architecture seminar (Spring 2015).
- Lecturer in IASBS cloud computing seminar (Winter 2013).

Teaching

Advanced Computer Network 2 (Channel Coding Theory) (MSc)

TA to Dr. Peyman Pahlevani, 2020

Advanced Computer Network 1 (MSc)

TA to Dr. Peyman Pahlevani,2019

Network Lab. (BSc)

TA to Dr. Peyman Pahlevani ,2019

Computer Networks (BSc)

TA to Dr. Peyman Pahlevani , 2018-2019

Operating Systems (BSc)

TA to Dr. Peyman Pahlevani, 2018

Algorithm Design (BSc)

TA to Dr. Mansoor Davoodi Monfared , 2016

Data Structure (BSc)

TA to Dr. Mansoor Davoodi Monfared, 2016

Languages

- Persian: Native
- English: Intermediate

Interest and Hobbies

- Photography
- Reading books
- Watching movies

References

Dr. Peyman Pahlevani

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- T: (+98) 24 3315 3436

Dr. Bahram Sadeghi Biqam

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- T: (+98) 24 3315 3379

Dr .Mansoor Davoodi

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