

Keyvan Booshehri

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EDUCATION

Iran University Of Science And Technology (aka Elmosana't)

Tehran, Iran

Bachelor of Computer Engineering

2018 - present

- Last two years GPA : 16.54/20
- Iran's 4th rank university
- Ranked within top 1% students in Iran's universities entrance exam.
- Granted full tuition scholarship for bachelor's degree.

Allameh Tabatabai High School

Tehran, Iran

Mathematics and physics diploma

2014 - 2018

- GPA : 19.91/20
- Granted tuition scholarship
- Ranked top student

AREAS OF INTEREST

Software Engineering — Applied Machine learning — Reinforcement Learning — Embedded Systems

ASSESSMENTS

- IELTS : Overall Score : 7.5 (Listening : 9 , Reading : 6.5 , Speaking : 7.5 , Writing : 6.5)
- GRE : To be taken in October

EXPERIENCE

Research Assistant

2022 – Present

[CPS-Lab](#): Scheduling heterogeneous RT embedded systems using model-based RL

supervision of [Dr.Monazzah](#)

BSc Capstone project

2022 – Present

RL applied on software defined networks

supervision of [Dr.Hekami](#)

Internship

Spring 2022

Software Engineer in Automation Section of a local trading company ; developed RESTful APIs.

Teaching Assistant

2021 – Present

Numerous Courses

Numerous Professors

- Fundamentals Of Computer Programming ([Dr.Entezari](#) - Fall 2022)
- Digital Logic ([Dr.Beitollahi](#) - Fall 2021)
- System Design and Analysis ([Dr.Ashtiani](#) - Winter 2021)
- Computational Intelligence ([Dr.Mozayani](#) - Winter 2022)
- Digital Logic ([Dr.Monazzah](#) - Winter 2021)
- Computer Architecture ([Dr.Beitollahi](#) - Winter 2021)
- Discrete Math ([Dr.Hekami](#) - Fall 2021)
- System Security ([Dr.Dianat](#) - Winter 2022)

PUBLICATIONS

Keyvan Booshehri, Mohammad.H Hosseininia, AMH Monazzah, Scheduling heterogeneous real-time systems using model-based reinforcement learning: in progress

PROJECTS

<u>Telegram NLP</u>	: A Comparison of LSTM and Transformers for the classification of Telegram channels	JUN 22
<u>Seam Carving</u>	: A C# program for resizing pictures with respect to details using seam carving algorithm	FEB 20
<u>Java Code Refactoring</u>	: A python program for refactoring Java code using Antlr	JAN 20
<u>Django backend API</u>	: A python DRF , scrum project for a book trading website	SPRING 20
<u>MATLAB Image processing</u>	: A MATLAB program for picture noise and edge detection	DEC 21
<u>AVR AC System</u>	: An AVR program for a smart cooling/heating system written in C	JAN 22
<u>Arduino Breath Capturing System</u>	: An Arduino program for a real-time medical system	JUN 22
<u>STM32 Vending Machine</u>	: An ARM STM32 microcontroller program written in C	JUL 20
<u>Turing Machine</u>	: A python implementation of Turing machine	JUL 20
<u>Finite Automata</u>	: A python implementation of finite automata	MAY 20
<u>Mini CPU</u>	: A Verilog implementation of a simple CPU	JUL 22
<u>Frequency Analysis</u>	: A python program for breaking substitution ciphers	DEC 21
<u>AES p2p messenger</u>	: A python program for secured peer too peer messaging	JUN 22

CERTIFICATES

Deep learning and neural networks ([Coursera certificate link](#))

SELECTED ACADEMIC GRADES

- Algorithm Design and Analysis : A+
- Data Structures : A+
- Software Engineering : A+
- Fundamentals Of Database Design : A+
- Digital Logic : A+
- Electrical Circuits : A+
- Engineering Mathematics : A
- System Design and Analysis : A
- Microprocessors and Assembly Language : A
- System Security : A

TECHNICAL SKILLS

Languages : C, C++, C#, Python, Java, VHDL, Verilog, 8086-Assembly, HTML, CSS

Libraries : NumPy, Matplotlib, Keras, TensorFlow, PyTorch, Pandas, NLTK, PyGUI

Frameworks : Django Rest Framework, .NET Framework

Developer Tools : Git, Unix