

Parsa Noori

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EDUCATION

- Shahid Beheshti University** 2019 - 2023
Bachelor of Science in Computer Engineering. GPA: 18.02/20
Department of Computer Engineering
- Atomic Energy High-school** 2016 - 2019
High School Diploma. GPA: 19.58/20
High school for mathematics and physics

INTERESTS

- Blockchain
- Cryptocurrencies
- Cryptography

RESEARCH AND PUBLICATION

- Shahid Beheshti University** Tehran, Iran
Preserving Urban Traffic Data Privacy Using Blockchainbased Vehicular Ad-hoc Networks Under Revision
- Efficient traffic management is crucial for urban quality of life. A blockchain-based system is proposed for Vehicular Ad-hoc Networks (VANETs) to enhance data integrity, trust, and privacy, using techniques like partially homomorphic encryption and Zero-Knowledge Proof (ZKP) to secure and validate vehicle-generated data. This system ensures secure storage and transfer of traffic data, reducing risks of fraudulent submissions.

TEACHING

- | Academic Teaching Assistance | Shahid Beheshti University |
|---|--|
| • CryptoCurrencies and Blockchain
Instructor: <u>Dr. Maedeh Mosharraf</u> | September 2023 - June 2024
2 semesters |
| • Formal Languages and Automata Theory
Instructor: <u>Dr. Ramak Ghavvami Zadeh</u> | January 2021 - June 2023
5 semesters |
| • Algorithms Design
Instructor: <u>Dr. Ramak Ghavvami Zadeh</u> | January 2021 - January 2023
4 semesters |
| • Computer Architecture
Instructor: <u>Dr. Dara Rahmati</u> | January 2022 - June 2022 and September 2023 - Present
2 semesters |
| • Computer Architecture
Instructor: <u>Dr. Raziye Salari Fard</u> | September 2022 - January 2023
1 semester |
| • Computer Architecture
Instructor: <u>Dr. Ali Jahanian</u> | January 2023 - June 2023
1 semester |
| • Signal and Systems
Instructor: <u>Dr. Armin Salimi Badr</u> | January 2023 - June 2023
1 semester |
| • Introduction to Programming
Instructor: <u>Dr. Sadegh Ali Akbary</u> | January 2020 - June 2020
1 semester |
| • Discrete Math
Instructor: <u>Dr. Farshad Safaee</u> | January 2020 - January 2021
2 semesters |
| • Advanced Programming
Instructor: <u>Dr. Mojtaba Vahidi</u> | September 2020 - January 2021
1 semester |
| • Signal and Systems
Instructor: <u>Dr. Yaser Shekofte</u> | September 2023 - Present
1 semester |

Mentor-ship

· Been mentor in the cryptocurrencies boot camp held at Quera, the most popular website among programmers in Iran. September 2023 - Present

WORK EXPERIENCE

Quera

Blockchain track-owner of the Education department

Tehran, Iran

From Jun 2023

- Been in charge of designing, managing and monitoring a blockchain online course containing the fundamentals and the Solidity language.
- Been in charge of designing and writing an offline Solidity course.

Noursun Energy

Blockchain developer at Energy market development section

Tehran, Iran

From Jun 2023

- Been one of the core developers of Energy market research team, guided by my professor Dr Mosharraf.
- Embraced my skills in Solidity development and also developing elements of cryptocurrencies.

PROJECTS

PCoin

[Github Link](#)

- A bitcoin like proof-of-work cryptocurrency for learning purposes. Made from scratch and involves threading and socket programming.

RSA Codesign

[Github Link](#)

- An implementation of RSA algorithm using the Gezel on hardware to accelerate the computation.

FFT Codesign

[Github Link](#)

- An implementation of the Fast Fouriers Transform algorithm using the Gezel on hardware to accelerate the computation.

Decaf Compiler

[Github Link](#)

- Implementation of the Decaf language's compiler from scratch. No use of LLVM or other high level languages. Codegens directly generated MIPS instructions.

REMARKABLE SCORES

Undergraduate

Shahid Beheshti University

Course

Out of 20

- Foundations of Cryptocurrencies 20
- Advanced Programming 17.03
- Principles of Algorithms 20
- Theory of Machines & Languages 17.1
- Discrete Mathematics 17.1
- Calculus I 20
- Differential Equations 19.5
- Signals & Systems 20

HONORS AND AWARDS

ACM-ICPC-Sharif

Tehran Regional contest
Team ranked 45th among
200 teams
September 2020

Physics Olympiad

Was accepted in the first
stage for two times
December 2017
December 2016

Math Olympiad

Was accepted in the first stage.
December 2016

University Entrance Exam

Ranked 628 among more
than 164 thousand
participants
June 2019

SKILLS

Programming Skills:

Python, Solidity, C++, Java, Solidity, L^AT_EX,
Verilog/SystemVerilog, VHDL

Languages:

Persian (Native) - English (Fluent) IELTS 7/9
Speaking: 7.5/9 - Writing: 6.5/9 - Reading: 6/9 - Listening: 8/9