

Pouya Rashidi Kia

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 LinkedIn |  Github | Lab Page

Tabriz, Iran

EDUCATION

• University of Tabriz

B.A. Computer Engineering

◦ GPA: 3.74/4.00

Sep. 2021 – Jun. 2025

Tabriz, Iran

RESEARCH INTERESTS

- Medical image processing
- Pose estimation
- Explainable AI
- Image denoising
- Genomics
- Deep Reinforcement Learning

TEACHING EXPERIENCE

• Teaching Assistant

Logic circuits and Computer architecture

- Conducted several problem solving classes
- Examined students during the semester
- Corrected midterm and final exams

Jan. 2023 – present

University of Tabriz

• ICPC Coach

Algorithms and Data structures

- Conducting a competitive programming course with over 40 enrolled students, preparing them for the ACM-ICPC West Asia Regionals Tehran 2024
- Holding biweekly practice contests

Sep. 2024 - present

University of Tabriz

EXPERIENCE

• Undergraduate research assistant

supervisor: Prof. Mina Zolfy

- Implemented an algorithm to generate crumpled, wrinkled and wavy text images
- Mentored an internship course for 5 teams of interns
- Responsible for training and managing new apprentices

Sep. 2022 – present

University of Tabriz, Applied Deep-Learning lab

• Head of executive committee and member of scientific committee

TabCode

- First ever programming contest in northwest of Iran with over 150 contestants
- Creating a network to connect systems to the judge server
- Orchestrating a team of over 30 executive staff

28 & 29 Nov. 2024

University of Tabriz

HONORS AND AWARDS

• Competitive programming

ICPC - International Collegiate Programming Contest

- 8th place ACM-ICPC West Asia Regionals Tehran 2022
- First Solution J - ACM-ICPC West Asia Regionals Tehran 2022
- 8th place ACM-ICPC West Asia Regionals Tehran 2023

Jan. 2023 – present

Sharif University

• National collegiate Scientific Olympiad

18th place

2024

Iran

PUBLICATIONS

UDiNet: A dilated U-net for improving OCR performance

Mahyar Fardinfar, Pouya Rashidi kia, Mina Zolfy

- *International Conference on Industrial Engineering and Operations Management 2024, Oman*
- *This paper introduces a preprocessing system for OCR's based on a combination of CNNs with dilated convolutional layers, to reduce and eliminate specific noises over paper.*

SKILLS

Programming languages: Python, C++, Verilog HDL

Libraries and frameworks: Tensorflow, Keras, Pytorch, SKlearn, Numpy, Pandas, Matplotlib

Languages: Persian (fluent), Azerbaijani(fluent), Turkish(fluent), English(fluent, IELTS: 7.5 Overall band score (Listening: 7.5, Reading: 9, Writing: 6.5, Speaking:7.0), French(intermediate)

REFERENCES

1. **Dr. Mina Zolfy**

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2. **Dr. Mohammad Asadpour**

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3. **Dr. Pedram Salehpour**

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