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Education

- **Ferdowsi University** — Mashhad
  B.Sc. in Computer Engineering — *2018 – 2023*
    - **CGPA: 3.92/4.0** — 19.02/20.0
    - **GPA: 4.0/4.0** — **19.5/20.0** (last two years)
    - Class Rank: **3rd** among 119 classmates (2.5% of best students)

Academic Projects

- Implementing [This Paper] Data Clustering Based On Key Identification in Python and use it in order to cluster Reddit comments with the help of BOW and W2V [Colab]

- Parallelized Genetic Algorithm using OpenMP(opm) Implemented in C++ [github repo]

- Parallelized Genetic Algorithm Implemented in CUDA GPU programming language [Colab]

- Implementing A* IDS IDA* BFS BDS algorithms for a gold searching game [github repo]

- Simulate Chess Player Using AI methods like Transposition table [github repo]

- Network tool implemented using pure web socket library in C which could do the following : 1-port scan 2-ping 3-traceroute 4-host discovery using arp [github repo]

- Regular Grammar to NFA/DFA Converter implemented in Java [github repo]

- Calculate Histogram of Images Before and After applying a Gaussian Filter using different methods of processes communication (message passing, shared memory) [github repo]

- Multi Thread Search Engine Using Trie Tree Data Structure to Boost Speed implemented in different modes for race condition avoidance in Java [github repo]

- Implementing Operating System Scheduling Algorithms For Managing a Sample Restaurant (Earliest Deadline First, Rate Monotonic, The Least Laxity First) [github repo]

Teaching Experience

- **Advanced Programming** — Ferdowsi University
  Teaching Assistant - Prof. NouriBaygi — *Winter 2020*
- **Discrete Mathematics** — Ferdowsi University
  Teaching Assistant - Prof. Ghaemi Bafghi — *Fall 2019, Winter 2020*

Work Experience

- **Devops Engineer**   Skyroom Company
  Full-time- the most widely used Iranian video-conferencing platform   *Mar. 2020 - Present*
    - Setup & manage Kubernetes cluster for Skyroom Production Softwares
    - Containerizing applications using Docker
    - Linux System administration for vm(VM ware) and BareMetal servers
    - Setup & manage ELK (elastics monitoring stack)
    - Setup & manage monitoring stacks such as Prometheus , Grafana
    - Setup & maintenance linux servers for different productions
    - Git flow and CICD piplines
    - VMware - Virtualization and Tanzu for Kubernetes

Awards & Honours

Ranked **33th** in the National Computer Olympiad among all of the computer students of Iran 2022
Ranked **280th** (top 0.5%) among 53000 participants in the universities entrance exam in Iran 2018
One of 5 chosen Members of eastern Universities attending to national Olympiad 2022

Notable Courses

- Computational Intelligence: 19.5/20.0(A+)
- Multi-Core Programming: 19.05/20.0(A+)
- Compiler Design: 20.0/20.0(A+)
- Artificial Intelligence: 20.0/20.0(A+)
- Algorithm Design: 20.0/20.0(A+)
- Advanced Programming: 19.83/20.0(A+)
- Software Engineering: 19.80/20.0(A+)
- Linear Algebra: 19.0/20.0(A+)

Technical Skills

- Languages

    - English **(TOEFL: 109 reading:28, listening:28, speaking:26, writing:27)**
    - Persian(Native)

- Programming Languages

    - C, Java, Python, Bash, SQL, Javascript

- Markup Languages

    - LaTeX, CSS, (X)HTML

- Tools & Software

    - Kubernetes, Docker, Gitlabci, Ansible, JMeter, Nginx, HAProxy, Prometheus, loki
    - Linux System Administration, Prolog
    - ELK, EFK stack(Elasticsearch, Logstash, Kibana, Fluentd), Modelsim(Verilog)

Professional Membership

- One of 5 head members of the computer engineering association elected by all students votes: *April 2019 – April 2020*