

# Amirhossein Najaafizadeh

## CURRICULUM VITAE

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### Research Interests

- Cloud Computing
- Computer Networks
- System virtualization
- Systems communications

### Education

- 2019–2022 **BS.C. Computer Engineering**, Amirkabir University of Technology, Tehran, Iran, *GPA: 3.86 / 4*
- 2016–2019 **Math & Physics diploma**, Shahid Hashemi Nejjad (Sampad), Mashhad, Iran, *GPA: 19.6 / 20*

### Computer skills

- Programming GOLANG, C, PYTHON, JAVA, PHP, RUST, SHELLSCRIPT, JAVASCRIPT
- Tools GIT, ANSIBLE, DOCKER, KUBERNETES, OPENSIFT, HELMCHARTS, GITLAB CI, GITHUB ACTIONS, ARGOCD
- Others SQL, MYSQL, MONGODB, REDIS, CEPH, MINIO, KAFKA, RABBITMQ, NATS, EMQX, LINUX, MACOS, XV6

### TA Experience

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|-------------|------------------------------|------------------------------------------------|
| Fall 2023   | Internet Engineering         | <i>Under supervision of Letcurer.Alvani</i>    |
| Spring 2023 | Cloud Computing              | <i>Under supervision of Prof.Javadi</i>        |
| Spring 2023 | Computer Networks            | <i>Under supervision of Prof.Sadeghian</i>     |
| Spring 2022 | Operating Systems            | <i>Under supervision of Prof.Javadi</i>        |
| Spring 2022 | Signals & Systems            | <i>Under supervision of Lecturer.Termehchi</i> |
| Spring 2022 | Principal of Database design | <i>Under supervision of Prof.Momtazi</i>       |
| Fall 2021   | Data Structures              | <i>Under supervision of Prof.Nazerfard</i>     |
| Fall 2021   | Advanced Programming         | <i>Under supervision of Prof.Edalat</i>        |
| Spring 2021 | Advanced Programming         | <i>Under supervision of Prof.Kalbasi</i>       |
| Fall 2020   | Fundamental Programming      | <i>Under supervision of Prof.Zeinali</i>       |

### Internships

- Summer 2022 **Software and Cloud Engineering**, Snapp! company, Maintaining SSE clusters like NATS and EMQX
- Summer 2021 **Backend Developer**, Sharif university of technology, Website developing with PHP

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## Articles

- 2024 **AH Najafizadeh, B Sadeghian, A Delkhosh, S Khorsandi, "PTaaS: automatic penetration testing"**, *Amirkabir University of Technology*, in progress
- 2024 **AH Najafizadeh, SA Javadi, "QJUMP over NIC"**, *Amirkabir University of Technology*, in progress
- 2023 **AH Najafizadeh, SA Javadi, "Jump over Golang Channels"**, *Amirkabir University of Technology*, ResearchGate
- 2022 **AH Najafizadeh, A Delkhosh, "Buffer overflow attack"**, *Amirkabir University of Technology*, ResearchGate

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## Language

English TOEFL iBT (93)

*Reading:17, Listening:28, Speaking:23, Writing:25*

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## References

PROF. BABAK SADEGHIAN  
PROF. SEYED AHMAD JAVADI  
PROF. SAEEDAH MOMTAZI  
PROF. MASOUD SABAIE  
PROF. EHSAN NAZERFARD  
DR. SEYED PARHAM ALVANI