

Curriculum Vitae

Mahyar Karimi

Education

2018 – **B.Sc. in Computer Engineering**,
2023 University of Tehran, Tehran, Iran.
Thesis advisor: [Prof. Hossein Hojjat](#)

Research Experience

06.2023 – **Predoctoral researcher**, Institute of Science and Technology Austria
09.2023 (ISTA)
Working under supervision of Prof. Thomas Henzinger,
on *Learner-Verifier frameworks for dynamical systems*.

07.2022 – **Research intern**, Institute of Science and Technology Austria (ISTA)
09.2022 Worked under supervision of Prof. Thomas Henzinger,
on *Monitoring fairness of decision-making processes*.

2021 – **Research assistant**, University of Tehran
2023 Collaborated with [Prof. Hossein Hojjat](#) and [Amir Hossein Seyhani](#),
on *Causality in event structures*.

Industry Experience

2022-3 **Software engineer**, Divar.
2021 **Infrastructure intern**, [Tapsell](#).

Teaching Experience

2020 – University of Tehran
2022 Teaching assistant in the following courses:

- *Advanced Programming*
- *Data Structures*

Awards & Honors

2022 Research scholarship, granted by the Austrian Agency for Education and Internationalisation ([OeAD-GmbH](#)).

2022 Top 1% among all applicants to the [ISTernship](#)* program.
* ISTA summer internship

Publications

Refereed Conference Papers

- [1] Thomas Henzinger, Mahyar Karimi, Konstantin Kueffner, and Kaushik Mallik. Runtime monitoring of dynamic fairness properties. In *Proceedings of the 2023 ACM Conference on*

Fairness, Accountability, and Transparency, FAccT '23, page 604–614, New York, NY, USA, 2023. Association for Computing Machinery.

- [2] Thomas A. Henzinger, Mahyar Karimi, Konstantin Kueffner, and Kaushik Mallik. Monitoring algorithmic fairness. In Constantin Enea and Akash Lal, editors, *Computer Aided Verification*, pages 358–382, Cham, 2023. Springer Nature Switzerland.