Curriculum Vitae

Mahyar Karimi

Education

2023 –	**Ph.D. in Computer Science**, Institute of Science and Technology, Klosterneuburg, Austria.
2018 – 2023	**B.Sc. in Computer Engineering**, University of Tehran, Tehran, Iran. Thesis advisor: Prof. Hossein Hojjat

Research Experience

06.2023 – 09.2023	**Predoctoral researcher,** Institute of Science and Technology Austria (ISTA) Working under supervision of Prof. Thomas Henzinger, on *Learner-Verifier frameworks for dynamical systems.*
07.2022 – 09.2022	**Research intern,** Institute of Science and Technology Austria (ISTA) Worked under supervision of Prof. Thomas Henzinger, on *Monitoring fairness of decision-making processes.*
2021 – 2023	**Research assistant**, University of Tehran 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 – 2022	University of Tehran 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.