Ali Asadi

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EDUCATION

- **Ph.D. in Computer Science**   2021 – Present
  IST Austria, Klosterneuburg, Austria

- **B. Sc. in Computer Engineering**   2016 – 2021
  Sharif University of Technology, Tehran, Iran   GPA: 18.93/20

PEER-REVIEWED CONFERENCE PUBLICATIONS

- "Polynomial reachability witnesses via Stellensätze"
  Ali Asadi, Krishnendu Chatterjee, Hongfei Fu, Amir Kafshdar Goharshady, Mohammad Mahdavi
  in *the Proceedings of the 42nd ACM SIGPLAN International Conference on Programming Language Design and Implementation (**PLDI'21**)*, 2021.

- "Faster Algorithms for Quantitative Analysis of MCs and MDPs with Small Treewidth"
  Ali Asadi, Krishnendu Chatterjee, Amir Kafshdar Goharshady, Kiarash Mohammadi, Andreas Pavlogiannis
  in *the 18th International Symposium on Automated Technology for Verification and Analysis* (**ATVA'20**), 2020.

HONORS AND AWARDS

- **Silver medal** in the 10th Asia-Pacific Informatics Olympiad (APIO)   2016
- **Gold medal** in the 25th Iranian National Olympiad in Informatics (INOI)   2015
- **Silver medal** in the 24th Iranian National Olympiad in Informatics (INOI)   2014
- **2nd place** in the **ACM-ICPC** West Asia Regional Contest, Tehran, Iran.   2016
- **Iranian National Elites Foundation** grant for undergraduate studies   2014 – 2021
- **National Organization for Development of Exceptional Talents** (NODET) member   2009 – 2016
- Research Scholarship from the **Austrian Exchange Agency (OeAD-GmbH)**   2019

UNDERGRADUATE RESEARCH EXPERIENCE

- **Research Intern** and **Remote Collaboration,** IST Austria   Summer 2019
  Worked in the Chatterjee Group under the supervision of Prof. Krishnendu Chatterjee.
  Scholarship awarded by the *Austrian Agency for International Cooperation in Education and Research* (OeAD-GmbH).

- **Research Assistant,** Sharif University of Technology   Feb. 2020 – Present
  Worked in the Theory Group under the supervision of Prof. Mohammad Ghodsi.

TEACHING EXPERIENCE

- **Teaching Assistant, CE Department, Sharif University of Technology**
  - Probability And Statistics, Instructor: Prof. Abolfazl Motahari   Fall 2017
  - Data Structures and Algorithms, Instructor: Prof. Ali Sharifi-Zarchi   Spring 2018

- **Member** of **Scientific Committee** of Programming Contests
  Designed programming contests and authored problems with an algorithmic theme.
  - **Iran's IOI Team Selection Exams**   2017
  - **INOI Summer Camp Programming Exams**   2016

- **Lecturer, Allameh Helli High-School**   2016 – 2018
  Taught Algorithms and Data Structures to students preparing for the National Olympiad in Informatics (INOI).

- **Lecturer, Allameh Tabatabaee High-School**   2016 – 2019
  Taught Algorithms and Data Structures to students preparing for the National Olympiad in Informatics (INOI).

Other Activities

- **Team Manager, Divar Co.** Sep. 2019 – Sep. 2020
  Leaded a team consisting of 10 software engineers in setting up infrastructure platforms and tools.
- **Software Engineer, CafeBazaar Co.** July 2017 – July 2019
  Contributed to the design, development, and maintenance of several systems and microservices.
- **Elected Member** and **Vice President** of **Students' Scientific Chapter** 2018 – 2019