

## EDUCATION

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- **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

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- “[Polynomial reachability witnesses via Stellensätze](#)”  
**Ali Asadi**, Krishnendu Chatterjee, Hongfei Fu, Amir Kafshdar Goharshady, Mohammad Mahdavi  
in *the Proceedings of the 42<sup>nd</sup> 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 18<sup>th</sup> International Symposium on Automated Technology for Verification and Analysis (ATVA’20)*, 2020.

## HONORS AND AWARDS

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- **Silver medal** in the 10<sup>th</sup> Asia-Pacific Informatics Olympiad (APIO) 2016
- **Gold medal** in the 25<sup>th</sup> Iranian National Olympiad in Informatics (INOI) 2015
- **Silver medal** in the 24<sup>th</sup> Iranian National Olympiad in Informatics (INOI) 2014
- **2<sup>nd</sup> 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

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- **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 – Apr. 2021  
Worked in the Theory Group under the supervision of [Prof. Mohammad Ghodsi](#).

## TEACHING EXPERIENCE

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- **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

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- **Team Manager, Divar Co.** Sep. 2019 – Sep. 2020  
Led 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