

## EDUCATION

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- **University of California, Irvine** Irvine, CA  
*Ph.D. in Software Engineering; GPA: 4.00* *Oct. 2017 – Present*
- **Sharif University of Technology** Tehran, Iran  
*M.Sc. in Algorithms and Computation (Computer Science)* *Sep. 2015 – Aug 2017*
- **University of Tehran** Tehran, Iran  
*B.Sc. in Computer Engineering* *Sep. 2011 – Sep 2015*

## EXPERIENCE

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- **Graduate Research Assistant** Irvine, CA  
*University of California Irvine* *Oct. 2017 - Present*
  - Designed and created novel testing techniques to detect accessibility and delivery issues in Android apps
  - Devised a scalable and accurate static analysis technique to detect event races
  - Investigated light-weight model checkers to formally analyze uncertainty in models
- **Software Engineer** Tehran, Iran  
*CafeBazaar (Android Marketplace with 37M users)* *Oct. 2015 - Aug. 2017*
  - Coordinated a number of teams (with 6 to 11 members) in CafeBazaar, a local Android app market, to create tools for developers.
    - \* Established a developers panel based on microservice architecture (using **Django**, **Docker**, and Kubernetes)
    - \* Redesigned and developed a system to automate the process of filtering out malwares and low-quality apps
  - Inspected technical teams' performance issues at a company-wide level
- **Graduate Research Assistant** Tehran, Iran  
*Sharif University of Technology* *May. 2016 - Aug. 2017*
  - **M.Sc. Thesis:** Invented a general approximation method for solving a family of geometry optimization problems (such as clustering) in the sliding window model processing streams of big data.

## PUBLICATION

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- Latte: Use-Case and Assistive-Service Driven Automated Accessibility Testing Framework for Android  
*Accepted in **CHI 2021**, Conference on Human Factors in Computing Systems*  
*Navid Salehnamadi, Abdulaziz Alshayban, Jun-Wei Lin, Iftekhhar Ahmed, Stacy Branham, and Sam Malek*
- ER Catcher: A Static Analysis Framework for Accurate and Scalable Event-Race Detection in Android  
*Published in **ASE 2020**, 35th International Conference on Automated Software Engineering (23% acceptance rate)*  
*Navid Salehnamadi, Abdulaziz Alshayban, Iftekhhar Ahmed, and Sam Malek*
- Test Automation in Open-Source Android Apps: A Large-Scale Empirical Study  
*Published in **ASE 2020**, 35th International Conference on Automated Software Engineering (23% acceptance rate)*  
*Jun-Wei Lin, Navid Salehnamadi, and Sam Malek*
- A Benchmark for Event-Race Analysis in Android Apps (Poster)  
*Published in **MobiSys 2020**, 18th International Conference on Mobile Systems, Applications, and Services*  
*Navid Salehnamadi, Abdulaziz Alshayban, Iftekhhar Ahmed, and Sam Malek*

## SKILLS

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- **Programming Languages:** *Java, Python, C++, SQL, Bash, Ruby*
- **Technologies and Frameworks:** *Android, Pytorch, Soot, Django, Keras, Docker, Rails*
- **Software Engineering:** *Agile (Scrum), Program Analysis, Object-Oriented Design, Design Patterns*
- **Notable Passed Courses:** *Deep Generative Models, Machine Learning, Programming Deep Neural Network, Software Testing, Big Data Algorithms, Randomized Algorithms, Social Network Analysis*

## AWARDS

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- **Noyce Fellow** - University of California 2021
- **Chair's Award** - UCI, School of Informatics and Computer Science 2017
- **ACM Student Chapter Excellence Award** - Outstanding School Service 2015
- **Golden Medal** in Iran Nationwide Scientific Olympiad - Computer Science 2014
- **ACM International Collegiate Programming Contest Top 10 Teams** of west Asia region 2013
- **Silver Medal** in Iran National Olympiad in Informatics 2010  
The final step to world-final International Olympiad in Informatics

## NOTABLE PROJECTS

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- **Soot Tutorial** A series of Java code examples with visualization to learn static program analysis using **Soot**
- **IOI Translation** Developed a panel by **Django** for translation of the International Olympiad in Informatics, 2017 & 2018
- **VAHED** Designed and implemented a web app by **Rails** to assist students on planning for upcoming semesters, 1K users
- **DM Contest** Designed and built an online contest platform to apply active learning techniques for mathematic courses

## LEADERSHIP EXPERIENCE AND COMMUNITY INVOLVEMENT

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- Live! Virtualization Team Member, **International Conference on Software Engineering** 2020
- Technical organizer, **International Olympiad in Informatics** 2017
- Chief editor, **F1** the scientific journal of the ACM student chapter of University of Terhan 2015
- Vice-chair, **the ACM student chapter of University of Terhan** 2014-2015
- Team Leader, **Robocup Rescue Simulation**, Allame Helli high school, Tehran 2011-2012