

EDUCATION

- **University of California, Irvine** Irvine, CA
Ph.D. in Software Engineering; GPA: 4.00 *Oct. 2017 – Present*
 Expected: Oct 2021
- **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

- **Graduate Research Assistant** Irvine, CA
SEAL at UCI *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.

SKILLS

- **Programming Languages:** *Java, Python*, C++, SQL, Bash, Ruby
- **Technologies and Frameworks:** *Android, Django, Soot*, Keras, Docker, Rails, PyTorch
- **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

NOTABLE PROJECTS

- **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** Constructed a web app by **Rails** to assist students planning coming semester, reporting possible problems, 1K users
- **DM Contest** Designed and built an online contest platform to apply active learning techniques for mathematic courses

AWARDS

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

- [ER Catcher: A Static Analysis Framework for Accurate and Scalable Event-Race Detection in Android](#)
*Published on **ASE 2020**, 35th International Conference on Automated Software Engineering (23% acceptance rate)*
Navid Salehnamadi, Abdulaziz Alshayban, Iftekhar Ahmed, and Sam Malek
- [Test Automation in Open-Source Android Apps: A Large-Scale Empirical Study](#)
*Published on **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 on **MobiSys 2020**, 18th International Conference on Mobile Systems, Applications, and Services*
Navid Salehnamadi, Abdulaziz Alshayban, Iftekhar Ahmed, and Sam Malek