

Ata Fatahi

PhD Student of Computer Science

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<https://mrata.github.com>

EDUCATION

- **Penn State University** State College, PA
Ph.D. in Computer Science and Engineering Aug. 2017 – May 2022 (Expected)
Selected Courses: Algorithm Design, Operating Systems, Distributed Systems, Performance Evaluation of Computer Systems, Cloud Computing, Database Systems, Computer Architecture, Linear Optimization, Randomized Algorithms.
- **Sharif University of Technology** Tehran, Iran
Bachelor of Science in Computer Science and Engineering Aug. 2012 – July. 2017

RESEARCH INTERESTS

- Distributed Systems
- Cloud Computing
- Resource Management and Scheduling
- Performance Evaluation

EXPERIENCES

- **Microsoft** Sunnyvale, CA
Research Intern May. 2020 - Aug. 2020
- **HashiCorp** San Francisco, CA
Research Intern June. 2019 - Sept. 2019
- **Penn State University** State College, PA
Graduate Research Assistant Aug. 2017 - Present
- **Institute For Research in Fundamental Sciences (IPM)** Tehran, Iran
Undergraduate Research Assistant Feb. 2016 - May 2017

PUBLICATIONS

- **Ata Fatahi**, Mohammad Shahradd, David Wentzlaff, George Kesidis, Carlee Joe-Wong, “ On Merits and Viability of Multi-Cloud Serverless Model,” *Preprint draft*.
- Aman Jain, **Ata Fatahi**, Nader Alfares, George Kesidis, Bhuvan Urgaonkar, Mahmut Kandemir, “SplitServe: Efficiently Splitting Apache Spark Jobs Across FaaS and IaaS,” ACM **Middleware ’20**.
- **Ata Fatahi**, George Kesidis, Daniel Fleck, Angelos Stavrou, “Microservices Made Attack-Resilient Using Unsupervised Service Fissioning,” 13th European Workshop On Systems Security (**EuroSec ’20**).
- **Ata Fatahi**, Timothy Zhu, Bhuvan Urgaonkar, “BurScale: Using Burstable Instances for Cost-Effective Autoscaling in the Public Cloud,” 10th ACM Symposium on Cloud Computing (**SoCC ’19**).
- Aman Jain, **Ata Fatahi**, Nader Alfares, George Kesidis, Bhuvan Urgaonkar, Mahmut Kandemir, “SplitServe: Efficiently Splitting Complex Workloads Across FaaS and IaaS,” 10th ACM Symposium on Cloud Computing (**SoCC ’19**).

HONORS AND AWARDS

- Usenix OSDI'20 Student Scholarship Award.
- ACM SoCC'19 Best Poster Award.
- ACM SoCC'19 Student Scholarship Award.
- ACM Middleware'17 Student Scholarship Award.
- IPM's Undergraduate Scholarship Award.
- Ranked 120th among more than 300,000 participants in Iranian National College Entrance Exam (2012).

TEACHING EXPERIENCES

- Teaching Assistant, Penn State University
 - CMPSC 311, Systems Programming, Fall 2020
 - CMPSC 473, Operating Systems, Spring 2020
 - CMPSC 473, Operating Systems, Fall 2018
 - CMPSC 473, Operating Systems, Fall 2017
- Teaching Assistant, Sharif University of Technology
 - CE 464, Real-Time Systems, Fall 2016
 - CE 112, Python Programming, Fall 2014
 - CE 242, Object Oriented Programming in C++, Spring 2014

SERVICE

- Usenix OSDI'20: Artifact Evaluation Committee Member
- ACM ASPLOS'20: Artifact Evaluation Committee Member
- ACM SOSP'19: Artifact Evaluation Committee Member
- ACM Middleware'18: External Reviewer

PROGRAMMING SKILLS

- **Programming Languages:** GoLang, Python, C/C++, C#, Java, PHP, Java Script
- **Technologies:** Git, Docker, Kubernetes, AWS Services and SDK, Apache Spark