

# Ata Fatahi

PhD Student of Computer Science

Email : azf82@psu.edu

<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

## PUBLICATIONS

---

- **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**).

## EXPERIENCES

---

- **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

## HONORS AND AWARDS

---

- 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 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

---

- 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++, Java, PHP, Java Script
- **Technologies:** Git, Docker, Kubernetes, AWS Services and SDK, Spark
- **Operating Systems:** Mac OS, Ubuntu (native linux user)