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

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*

TEACHING EXPERIENCES

- Teaching Assistant, Penn State University

  - 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, Fundamental of Programming in Python, Fall 2014
  - CE 242, Object Oriented Programming in C++, Spring 2014

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).

Service

- 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)