Salem Alqahtani

716-445-2288 | salemmoh@buffalo.edu | linkedin.com/in/salem | github.com/salem

Education

University at Buffalo, SUNY — Buffalo, NY
Doctor of Philosophy in Computer Science — *Jan. 2017 – Present*

University of Connecticut — Storrs, CT
Master of Science in Computer Science — *Jan. 2014 – May 2015*

King Khalid University — ABHA, KSA
Bachelor of Science in Computer Science — *Aug. 2006 – May 2010*

Experience

Research Assistant — Jan 2017 – Present
University at Buffalo-SUNY — *USA*
- Distributed Systems Lab

Advanced English Training — May 2011 – Aug 2012
UPEEN — *USA*

- **Teaching Assistant** — Aug 2010 – May 2011
  King Khalid University — *KSA*
  * Intro to CS, Data Structure in Java
- **Summer Intern** — May 2009 – Aug 2009
  Saudi Aramco — *KSA*
  * Software Development Department
- **Student Club at UB-SUNY** — May 2009 – Aug 2009
  University at Buffalo, SUNY — *USA*
  * Software Development Department

Academic awards and achievements

Scholarship PhD — May 2017 – Present
King Khalid University — *KSA*

Scholarship MS — Aug 2014 – May 2015
King Khalid University — *KSA*

Graduated with Second honor Degree — May 2010
King Khlid University — *KSA*
* Computer Science Department

Dean's lists — Jan 2006 – Dec 2009
King Khalid University — *KSA*
* Computer Science Department

Projects

PaxiBFT | *Golang* — Jan 2020 – May 2020
* A framework that evaluates BFT performance

Big-BFT | *Golang* — Jan 2021 – Aug 2021
* A prototype for consensus protocol

ML-Sys | *Python* — Jan 2019 – May 2019
* A prototype for evaluating machine learning system performance

Publications

* **S. Alqahtani***, M. Demirbas. BigBFT: A Concurrent Leader Byzantine Faultt Tolerance Protocol. Under review (IPCCC 2021)
* **S. Alqahtani***, M. Demirbas. Bottlenecks in Blockchain Consensus Protocols. Under review (IEEE-coins-2021)
* **S. Alqahtani***, M. Demirbas. Performance Analysis and Comparison of Distributed Machine Learning Systems. Under submission(IEEE-ACCESS-2021)
* K. Zhang*, **S. Alqahtani***, M. Demirbas. A Comparison of Distributed Machine Learning Platforms Appeared at International Conference on Computer Communications and Networks (IEEE-ICCCN)

Technical Skills

Languages: Java, Python, C/C++, Go, JavaScript, HTML/CSS
Libraries: pandas, NumPy, Matplotlib