



## EDUCATION

### PhD candidate in Computer Science

SEP 2018 - AUG 2023

University of California, Irvine, CA, USA

**GPA:** 3.96/4.0

Advisor: [Prof. Chen Li](#)

Working on [Cloudberry](#) and [Texera](#) @ UCI

### Master of Science in Computer Science specialized in Software Engineering

AUG 2014 - JUN 2016

University of Southern California, CA, USA

**GPA:** 3.59/4.00

### Bachelor of Science in Information Technology.

AUG 2007 - JUN 2011

King Saud University, Riyadh, KSA

**GPA:** 4.80/5.00

## EXPERIENCE

### Teaching Assistant, Mar 2014 - current

SOFTWARE ENGINEERING DEPARTMENT, COLLEGE OF COMPUTER AND INFORMATION SCIENCES, KING SAUD UNIVERSITY, RIYADH, KSA

- Teaching Advanced Web Development, Java
- Course Coordinator of Software Architecture and Design
- Software Construction Clinic Committee member and workshop conductor
- Follow-up and Quality Committee member
- Academic Advising and Scheduling Committee member

### IT Team Lead, May 2012 - Mar 2013

IT DEVELOPMENT SERVICES UNIT, IT SOLUTION SERVICES DEPARTMENT, ALAWAL BANK, RIYADH, KSA

- Worked in the field of internal workflow and Echannels middleware(Systems Integration)
- Developments in TIBCO and AutoFORM
- Automated manual processes using Java

## SKILLS

Angular, Arabic, English, Java, Scala ● ● ● ● ●

C++, Python, PHP ● ● ● ● ●

C, C#, VB ● ● ● ● ●

## PROJECTS

### [Texera](#)

APRIL 2021 - CURRENT

Collaborative big data analytics using GUI-based workflows. Working on workflow version control, optimization, and reproducibility

### [Cloudberry](#)

SEP 2018 - APRIL 2021

General purpose middleware in Scala for big data visualization for OLAP queries, worked on caching progressive results

### [GSvis](#)

SEP 2018 - APRIL 2021

Middleware based progressive visualization of large spatial network

### [Peterman](#)

APRIL 2019

Search engine consisting of tokenizer, stemmer, word breaker, and uses LSM based storage

### [DBMS](#)

SEP 2018

Database Management System consisting of file manager, record manager, index manager, and query manager

## AWARDS

### Isabel Cruz Memorial Travel Award

OCT 2022

### NSF Travel Award

JUN 2022 & AUG 2022

### KSU and ICS Scholarship

AUG 2018

### KASP Scholarship

FEB 2013

### First Class of Honor

JUN 2011

### Ranked 11th in National University Entrance Exam

JUN 2007

## CERTIFICATES

### IBM Big Data Developer

MAR 2017

### ISTQB Foundation

JUN 2012

### Management Training Program

NOV 2011 - MAY 2012

### PRINCE2 Foundation

MAY 2012