

# Foyzul Hassan

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## EDUCATION

### UT SAN ANTONIO

PH.D. IN COMPUTER SCIENCE  
Expected Aug 2020 | San Antonio, TX  
GPA: 3.97(till now)

### UNITED INTL. UNIVERSITY

MSC. IN COMPUTER SCIENCE  
May 2012 | Dhaka, Bangladesh

### MIST

BSC. IN COMPUTER SCIENCE &  
ENGR  
March 2007 | Dhaka, Bangladesh

## SKILLS

### LANGUAGES

C/C++, Java, C#.NET, MFC, Python

### SCRIPTING LANGUAGES

Shell Script, Perl

### MATHEMATICAL TOOLS

Matlab, NumPy

### DATABASE

Oracle 9i, MySQL, MSSQL

### TOOLS/Framework

J2EE 2.0, Spring, Hibernate, Weka,  
OpenNLP, Pandas, QTP, LoadRunner,  
JMeter, Selenium, Valgrind, JIRA,  
Redmine, SVN, Git.

## COURSEWORK

Analysis of algorithms  
Introduction to Data Science  
Operating systems  
Computer architecture  
Programming language & compilers  
Machine learning  
System programming  
Advanced artificial intelligence  
Software engineering  
Software Testing and quality  
Advanced OOP

## AWARDS

2017 Alvarez Grad Fellowship, UTSA  
2016 ICSE Travel Grant, UTSA  
2015 Full Tuition Award, UTSA  
2012 Summa Cum Laude, UIU  
2011 MSCSE Merit Award, UIU

## EXPERIENCE

### KONA SOFTWARE LAB LTD. | QA MANAGER

March 2014 – July 2015 | Dhaka, Bangladesh

- R&D on Cryptographic and EMV specifications for Smart Card.
- Design and develop test bed for PKCS#11 library.
- Designed automatic regression testing framework for KonaPay.
- Established code review process for the development team.
- Release and Configuration Management.
- Manage software quality assurance team of 12 members.

### ENOSIS SOLUTIONS. | QA LEAD, QA ENGINEER

March 2008 – February 2014 | Dhaka, Bangladesh

- Review and develop MFC/C++ COM based Plug-in-Application to test Visual-Environment engineering simulation project.
- Develop and maintain testing aid tool such memory analysis tool, Screen capture tool and different application sync tool.

## PUBLICATIONS

- 2018 HireBuild: An Automatic Approach to History-Driven Repair of Build Scripts(Accepted as Full Paper), ICSE
- 2017 Automatic Building of Java Projects in Software Repositories: A Study on Feasibility and Challenges (Accepted as Full Paper), ESEM
- 2017 Change-Aware Build Prediction Model for Stall Avoidance in Continuous Integration (Accepted as Short Paper), ESEM
- 2017 Mining Readme Files to Support Automatic Building of Java Projects in Software Repositories(Poster), ICSE
- 2013 Speech Feature Evaluation for Bangla Automatic Speech Recognition (Book Chapter), IGI Global
- 2011 MLN-based Bangla ASR using context sensitive triphone HMM(Journal), IJST

## PROJECTS

- Developed history driven automatic build script repair tool HireBuild for Gradle.
- Building a compiler/optimizer for a subset of the Pascal language:TL15.0 in Java.
- Developed a R&D software for Bangladesh Army for the purpose of battle field command identification in C++ with HTK Toolkit.
- Speech Feature Extraction and speech recognition with supervised learning(NN, SVM and HMM).
- Design and develop test bed for PKCS#11 API to any PKCS#11 standards compliant for Android.
- Design and develop GUI test automation framework built on Python, Sikuli and RobotFramework.
- MFC COM based Plug-in-Application development for Memory and GDI consumption and leak analysis.

## VOLUNTEER EXPERIENCE

- Mentor San Antonio Youth Code Jam 2015.
- President Bangladesh Student Association(BSA) UTSA during 2016-2017.