

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

2012 | Dhaka, Bangladesh

MIST

BSC. IN COMPUTER SCIENCE &
ENGR

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 ESEM Travel Grant, UTSA

2017 Alvarez Fellowship, UTSA

2015 Full Tuition Award, UTSA

2012 Summa Cum Laude, UIU

2011 MSCSE Merit Award, UIU

EXPERIENCE

UT SAN ANTONIO. | GRAD RESEARCH ASSISTANT, SUPERVISOR:

PROF. XIAOYIN WANG

August 2015 – Till Date | San Antonio, TX, USA

- Distributed Software Build.
- Fault Localization of Software Build Failures.
- Automatic Software Build Repair and Build Time Optimization.
- Identify and Repair Backward Compatibility Bugs.

KONA SOFTWARE LAB LTD. | QA MANAGER

March 2014 – July 2015 | Dhaka, Bangladesh

- R&D on Cryptographic and EMV specifications for Smart Card.
- Designed automatic regression testing framework for KonaPay.
- 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

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|---------|---|
| ICSE'18 | HireBuild: An Automatic Approach to History-Driven Repair of Build Scripts (Technical Paper Track), F Hassan and X Wang |
| ESEM'17 | Automatic Building of Java Projects in Software Repositories: A Study on Feasibility and Challenges(Full Paper), F Hassan, S Mostafa, ESL Lam, X Wang |
| ESEM'17 | Change-Aware Build Prediction Model for Stall Avoidance in Continuous Integration (Short Paper), F Hassan and X Wang |
| ICSE'17 | Mining Readme Files to Support Automatic Building of Java Projects in Software Repositories(Poster), F Hassan and X Wang |

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.
- 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.