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

2018 NSF Travel Award for ICSE, NSF
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.
- Automatic Software Build Repair and Build Time Optimization.

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 RUDSEA: Recommending Updates of Dockerfiles via Software Environment analysis, F Hassan, R Rodriguez, X Wang, ASE
2018 HireBuild: An Automatic Approach to History-Driven Repair of Build Scripts (Accepted as Full Paper), F Hassan and X Wang, ICSE
2017 Automatic Building of Java Projects in Software Repositories: A Study on Feasibility and Challenges, F Hassan, S Mostafa,ESL Lam, X Wang, ESEM
2017 Change-Aware Build Prediction Model for Stall Avoidance in Continuous Integration (Short Paper), F Hassan and X Wang, ESEM
2017 Mining Readme Files to Support Automatic Building of Java Projects in Software Repositories(Poster), F Hassan and X Wang, ICSE

PROJECTS

- 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.