AKOND ASHFAQUE UR RAHMAN

PRESENT ADDRESS

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WORLD WIDE WEB

Github

Google Scholar

Linkedin

Website

EDUCATION

Doctor of Philosophy (Ph.D.) in Computer Science

North Carolina State University (NCSU), Raleigh, NC, USA

Adviser: Dr. Laurie Williams

G.P.A: 4.00/4.00

Aug 2014 - Present

Master of Science (M.Sc.) in Computer Science and Engineering

University of Connecticut (UConn), Storrs, CT, USA

G.P.A: 3.80/4.00

Jan 2012 - May 2014

PROFESSIONAL EXPERIENCE

ABB Corporate Research, USA   Software Research Intern   May 2015 - Aug 2015

I implemented a software framework that detects similarity amongst software applications by converting software artifacts into natural language tokens. To implement the project I used SrcML.NET, Swum.NET, and Gensim. I also actively collaborated with the full time members and interns of the Software Architecture, and Industrial Software Engineering teams at ABB Corporate Research.

Dohatec New Media, Bangladesh   Software Engineer   Jan 2010 - Jun 2011

I created a Java-based multi-modal software development kit in Java that included biometrics. I was also responsible in programming, testing, and maintaining ASP.NET websites for different government agencies of Bangladesh.

ACADEMIC EXPERIENCE

NCSU, USA   Research Assistant   Jan 2016 - May 2016

Research assistant appointed by the Science of Security Lablet funded by the National Security Agency (NSA).

NCSU, USA   Teaching Assistant   Aug 2014 - Dec 2015

Teaching assistant for *Software Security*, a graduate level course and *Operating Systems for Computer Scientists*, an undergraduate level course conducted in the Department of Computer Science at NCSU.

TECHNICAL SKILLS

Programming Languages: ASP, Bash, C, C#, CSS, HTML, Java, PHP, Python, SQL

Data Analysis Tools: Apache Spark, Excel, Matlab, Natural Language Toolkit (NLTK), R Studio, SAS, SciKit

Database Tools: Microsoft SQL Server (v. 2005, 2008), MySQL Server(v. 5.0, 5.5)

DevOps Tools: Amazon Web Services (EC2 Services, Code Deploy), Git, Jenkins, JUnit, Vagrant

Development Kits: Android SDK, Cloud9, Eclipse Plugin Development Kit (PDK), Wordpress

IDEs: Anaconda (v. 2.3), Eclipse (v. 3.5, 4.4, 4.5), Microsoft Visual Studio (v. 2005, 2008, 2013)

Security Tools: Findbugs, Fortify, IBM BlueMix Static Analyzer, Microsoft Threat Modeling Tool (MSTMT), Prospector