ABU OBAIDA

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http://tareqobaida.github.io/

EDUCATION

Texas A&M University, College Station, TX	*May 2015*

Master of Engineering in Computer Engineering, CGPA 3.68 out of 4

Bangladesh University of Engineering and Technology (BUET)	*Jan 2008*

Bachelor of Science in Electrical & Electronic Engineering (EEE), CGPA 3.46 out of 4

TECHNICAL STRENGTHS

Programming Languages	Proficient in Python, Java, SQL, HTML, CSS, Bootstrap. Prior experience in JavaScript, AngularJS, Ajax, VBA, C/C++, PHP. Working knowledge in MATLAB, LISP, Verilog
Frameworks	Proficient in Django. Working knowledge in Flask, Codeigniter, CherryPy
Databases	MySQL, PostgreSQL, Oracle
CMS	WordPress
Server	Apache, Nginx
Protocols & APIs	XML, JSON, SOAP, REST
Operating Systems	Linux, Windows
Version control	Git, SVN
Virtualization	Docker, Vagrant
Libraries, Tools and IDEs	Selenium, Mulesoft, ServiceNow, Numpy, Scipy, Pandas, Jupyter, Bokeh, LaTeX
Agile Tool	JIRA

PROFESSIONAL EXPERIENCE

Division of Information Technology, Texas A&M University	August 2017 - Present
Lead Software Application Developer	*College Station, TX*

· Developed web application using Python/Django.
· Application development on ServiceNow platform

Technology Resources, University of Texas at Austin	November 2015 - August 2017
Software Developer/Analyst	*Austin, TX*

· Developed web application using Python/Django.
· Wrote unit and functional tests.
· RESTFul API development using MuleSoft.

Yu Bioinformatics Lab, Texas A&M University	May 2015 - November 2015
Software Developer	*College Station, Texas*

· Developed relational database and web interface for RNA sequence data. Responsible for front-end development using JavaScript, HTML5 and bootstrap.

Texas A&M University	Jan-2014 - May-2014
Teaching Assistant	*College Station, Texas*

· Taught lab for Wireless Transmission System, upgraded lab materials.

Huawei Bangladesh and Huawei Indonesia   October 2010 - July 2013
Optimization Engineer   *Dhaka and Jakarta*

· Acted as a regional team leader of the radio network optimization team. Performed analysis of radio network data and optimization of the network.
· Developed in-house software and data analysis tool.

Ericsson Bangladesh and Ericsson Vietnam   January 2008 - October 2010
Optimization Engineer   *Dhaka and Ho Chi Minh City*

· Performed radio network data analysis and recommendation.
· Developed in-house software and data analysis tool.

PROJECT WORKS

· Developed a web application to automate finite element analysis for Oil/Gas industry   2017

· Lead the team of four developers in designing, developing, testing and deploying
  My Study Notebook, an online platform for higher study aspirant students.   2016

· Developed an interactive static analysis tool as an Eclipse plug-in for detecting data races in Java concurrent program. Investigated Eclipse Plug-in development, platform architecture and extension points.   2014

· Developed a static analysis tool as an Eclipse plug-in to detect sensitive data exposure in Java servlet application.   2014

· Designed and implemented Twitter fake user detection algorithm and implemented in Java. Used REST APIs of Twitter to collect user data.   2013

· Designed and developed several commercial web applications as hobby project or freelancer

· Developed several WordPress themes and plug-ins. Investigated Facebook, Twitter and Linkedin API.

AWARDS/ ACTIVITIES

· Founder, My Study Notebook, an online platform to provide end to end solution to higher study aspirant students.   Jan 2016

· Founder, White Canvas Software, a software startup based in Dhaka, Bangladesh   March 2012

· Active member, PyData Austin, Austin Web Python and The Austin Python Meetup.   2016 - 2017

· Outstanding performance award, Huawei Bangladesh.   2012

PUBLICATIONS

RNASeqMetaDB: a database and web server for navigating metadata of publicly available mouse RNA-Seq datasets
Guo Z, Tzvetkova B, Bassik JM, Bodziak T, Wojnar BM, Qiao W, **Obaida MA,** Nelson SB, Hu BH, Yu P
Published at Bioinformatics (2015)/Oxford University Press, Aug 30, 2015

Analysis on Interactive Data Race Checker: IDRC
M. Obaida, I. Jahan and S. Z. Sajal
Presented at the 16th Annual IEEE International Conference on Electro/Information Technology (eit2017), May 14-17, 2017 Lincoln NE, USA.

Interactive Sensitive Data Exposure Detection through static analysis
M. Obaida, E. Nelson, R. Ee , I. Jahan and S. Z. Sajal
Presented at the 16th Annual IEEE International Conference on Electro/Information Technology (eit2017), May 14-17, 2017 Lincoln NE, USA.

WORK AUTHORIZATION

Authorized to work in U.S. until July 2018 through the Optional Practical Training (OPT) program.