

ABU OBAIDA

7589 Chevy Chase Drive, Austin, Texas, 78752

(+1)979-422-9733 - tareqbuett@gmail.com

<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, Ajax, VBA, C/C++, PHP. Working knowledge in MATLAB, LISP, Verilog

Frameworks

Proficient in Django. Working knowledge in Flask, Codeigniter, Hibernate, Spring

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, Numpy, Scipy, Pandas, Jupyter, Bokeh, LaTeX

Agile Tool

JIRA

PROFESSIONAL EXPERIENCE

Technology Resources, University of Texas at Austin

November 2015 - Present

Software Developer/Analyst

Austin, TX

- Developed web application 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

Optimization Engineer

January 2008 - October 2010

Dhaka and Ho Chi Minh City

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

PROJECT WORKS

- 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
- Lead the team of four developers in designing, developing, testing and deploying [My Study Notebook](#), an online platform for higher study aspirant students. 2016
- 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 - present
- 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.