

RESUME

Sakher Khalil Alqaaidi

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SUMMARY OF QUALIFICATIONS

- Skilled in front end and backend web development on different languages and platforms, in addition to experiences in other programming languages.
- Various Microsoft SharePoint and Microsoft Products experiences from installation to administration and development.
- Knowledgeable of security exploitation and defense techniques in x86 and ARM platforms.
- Qualified in using Machine Learning and Data Mining tools in classification and clustering.

EDUCATION



University of Georgia
PhD student, Computer Science
Last GPA: 3.98

Admitted Aug 2019



Middle East University
Master's Degree in Computer Information Systems
Master Thesis: A Hybrid Approach to Web Change Detection <http://goo.gl/NqMeK6>

Mar 2009



Mu'tah University
Bachelor's Degree in Computer Science

Jan 2005

SKILLS

Programming Languages	Full stack Web developer, Android / iOS App development, Restful Web Services
Content Management Systems	C#, C++, Java, JavaScript, React, Python, ASP.Net, PHP, HTML, CSS3
Servers and Web Servers	Microsoft SharePoint and WordPress: installation, administration, theming and solutions development and workflows
Databases	Microsoft IIS, Linux Apache administration and cPanel
Systems Analysis and Design	MS SQL Server, MySQL and Google Firebase
Security and IoT	Requirements Analysis, UML diagrams modeling, system architecture design and design pattern selection
	Debugging and testing for known security bugs in x86 and ARM environment, and knowledgeable of memory exploitation defense techniques

EXPERIENCES

Teaching \ Research Assistant

The University of Georgia, Athens, GA

Tasks include grading and teaching Software Development (programming in Java on Unix), Systems Programming (programming in C++ on Unix) and Intro. to Theory of Computing. In addition to research experience in the IoT Security lab.

From Aug 2019

e-Services Team Leader \ Developer

Taif Regional Armed Forces Hospitals, Saudi Arabia

Aug 2010 to Jul 2019

Handled all web development needs in the facility then established and supervised a team to provide an efficient e-services for online users and facility employees.

Web Developer

Sep 2008 to Aug 2010

Obeikan Education, Amman, Jordan

Participated in the development of e-learning web portals built using Drupal PHP content management system.

Web Developer

Nov 2007 to Aug 2008

Etq.com, Amman, Jordan

Participated in the development and customization of ETQs product (Reliance) by performing web development tasks and designing efficient SQL queries.

PROJECTS

Machine Learning, Data Mining Classification Model, 2020

A doctoral level data mining project that presents a prediction model which uses a dataset of hotel booking instances and tries to classify the booking cancellation status by training a perceptron, a simple neural network, primary results reflect accepted accuracy that can support related decisions. Attempts to enhance the model through dataset pre-processing operations before applying the model and after that. The results reflect the effects of pre-processing and configuring the algorithm in attempts of achieving a better accuracy.

System Analysis of Online Book Store, 2020

A doctoral level software engineering project that uses Agile *SCRUM* in implementing an online bookstore system and focusing on requirements analysis and validation, system design and testing. Tasks include creating user stories, use cases, requirements and design UML including class diagrams, object diagrams. Development in *Python 3* using *Flask* as a Module View Control MVC framework and storing data in *MySQL* database.

C++ Web Crawler, 2020

A doctoral level project in the University of Georgia course that consisted of a program that executes multithreaded requests to retrieve webpages which focuses on avoiding race conditions and using *pthread* programming in UNIX.

Detecting GPS Spoofing in IoT devices, 2019

A doctoral level project in the University of Georgia course to protect the integrity of IoT devices memory using *ARM TrustZone* deployed on a *Raspberry Pi*, a GPS receiver and an accelerometer through running *Shadow-box* tool.

E-Services for Armed Forces Hospitals in Taif SA, 2018

Multiple projects consisted of internet and intranet SharePoint portals, mobile applications, restful web services, SMS notifications system and KIOSK machine to provide e-services for facility users and employees.

CONFERENCES

UGA Teaching Conference

Microsoft SharePoint Conference

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