

Yahya M. Gilany

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Education

- University of Cincinnati, Cincinnati, OH, USA** 2016-2018
Master of Science M.S., School of Information Technology.
Concentration: Networking and Infrastructure Track – Machine Learning.
• Awarded: Dean's List, Graduate Assistantship
• Cumulative GPA: **3.975**
- University of Cincinnati, Cincinnati, OH, USA** 2015-2018
Bachelor of Science B.S., School of Information Technology.
Concentration: Information Technology, Software Application Development.
• Awarded: UC Global Scholarship, Dean's List
• Cumulative GPA: **3.978**
- Cairo University, Egypt** 2012 - 2015
Bachelor of Science B.S., Faculty of Engineering
Concentration: Aerospace and Aeronautics.
Transferred to the University of Cincinnati before the completion of the program

Computer Skills

Programming Language: JavaScript, C#, SQL, Java, C/C++, MatLab/Octave, Python, R, HTML5/CSS3.
Platforms, Frameworks, and Technologies: Node.JS, Angular.JS, Xamarin, Apache Cordova, Microsoft SQL Server, MySQL, NGINX, Docker, Kubernetes, Unity (Game Engine), SolidWorks (3D Modelling), LabVIEW (Visual Programming Language)
Operating Systems: Linux (Ubuntu, SUSE), Windows Server, macOS, Windows.
Photo and Video Editing: Photoshop, Premier.

Work Experiences

- UC Information Technology Solution Center** Sept. 2015- Present
Web and Software Application Developer
The highlight of my work is Eco-system project presented below.

Projects *More projects and details are available on the e-portfolio site.

Eco-System for a Fortune 500 Public Retail Company 9/2015 - present
An Eco-System consisting of 6 applications (Web, Mobile, AR, VR) interfacing with a RESTful API gateway developed in a microservice architecture. The Backend API consists of 11 microservices communicating with different services (Microsoft SQL Server, Redis, R server, Reporting Service, ActiveDirectory, ...etc.).
My work on this project:
- built 3 of the six projects.
- Designed, architected and developed the backend services and API.
- Designed and developed the database which consists of 50+ tables and views and over 300 queries.
- Acted as the Technical Lead for the project.

Lean-Manufacturing Mobile App. 8/2017-8/2018
A cross-platform mobile application built with Apache Cordova and Gateway API built in C# language and .Net Framework.

CanSat April, 2015
an Educational Nanosatellite that is tested in the launched from a rocket and tested in the atmosphere. The project illustrates many of the space technologies and concepts of real satellites. It's a microcontroller project with many sensors, actuators, transmitters and receivers put together to perform a mission. The Project consist of two Microcontrollers communicating data through radio transmissions from the satellite (master device) to the ground station (slave device) then processed and visualized in a ground-station app built with LabVIEW.

Smart-Home Embedded Systems project

2010-11

This Project was made as a graduation Project from the Embedded Systems Diploma.

Pomodoro - Visual Studio Code Extension

April, 2017

a productivity/time-management tool developed for Visual Studio Code to help developers stay on task and more efficient with their time. A personal open-source project, built with TypeScript in an Object-Oriented Fashion.

Terminal Launcher - Visual Studio Code Extension

March, 2017

a productivity/DevOps tool for developers to configure their projects' terminal windows with commands.

A personal open-source project, built with TypeScript in an Object-Oriented Fashion.

Xamarin University Projects

2017

A collection of applications built while enrolled in Xamarin University.

Trainings and Courses

Trainings

- CanSat Training Program at the SSTLab, Space Systems and Technology Laboratory. 84 hours
- Embedded Systems Software Diploma, Certified 170 hours

Online Courses

- Machine Learning (Stanford), Certified Andrew NG
- Project Management (udemy.com), Certified

Activities

Kapolei Robotics Team (Team 2445)

2010-11

Programming sub-team of
Kapolei High School Team, HI, USA

- Used LabVIEW.

CEPCP

1/2014 - 6/2014

Programming and Problem-solving Student Club.

SSTLab

12/2014 - 8/2015

Participant (CanSat Training Program)
Member in the CubeSat research Team.

Student Government - Faculty of Engineering, Cairo University

2012-2013

Cultural and Political Committee

Achievements

- The President's Volunteer Service Award from The President of the United States, *Barack Obama*.
- Outstanding Volunteer Service Award from the United States Department of State.
- Participated in the US Department of States-funded international exchange program, Kennedy-Lugar Youth Exchange & Study (KL-YES).
- University of Cincinnati | CECH | Dean's List 4.0 GPA Spring16, Summer16, Spring17.
- Awarded the UC Global Scholarship.
- "Outstanding Student" Award from LCAT academy, Learning Center for Applied Technology, during my exchange year at the US.

References

Available upon request