

# Amir Yunas

## SYSTEMS ENGINEER

Dallas/Fort Worth

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### SKILLS:

**Amazon Web Services (AWS), Microsoft Azure**, Wordpress, Windows Server 2016, MS-SQL Server, Linux, Google Analytics, Google AdSense, Microsoft Office, MAC OSX, Microsoft Project, Evernote, Mail Chimp, Technical Research & Documentation

### CERTIFICATIONS:

- **AWS Certified Solutions Architect Associate** August 2018
- **AWS Certified SysOps Administrator Associate** September 2018
- **AWS Certified Cloud Practitioner** October 2018
- **COMPTia Network+** – N10-004, OCT. 2009



### PROFESSIONAL EMPLOYMENT

**Dr. Yunas Family Medical Practice-** Portsmouth, VA  
*Systems Administrator*

2004 -Present

- **AWS Cloud Migration**
  - Migration of a Windows 2011 Server Environment running Sql Server 2008 R2 to Amazon's Cloud Platform.
- **IT Systems Administration**
  - Set Up a Windows Server 2016 Domain Network. Wireless Connectivity, Remote Desktop Maintenance. SQL Server Configuration and Backup. Hardware & Software Maintenance & Troubleshooting, Active Directory
- **Electronic Medical Record Migration**
  - Managed the Software Selection and Migration Process to an Electronic Medical Record (EMR) on the Cyramed Patient Manager Platform.

**Executech Strategic Consulting-** Ft. Belvoir, VA  
*IT Help Desk Support Technician*

2009 - 2010

- **IT Support Services** provided to employees at the Defense Threat Reduction Agency (DTRA). Support Tasks included:
  - Hardware & Software Configuration & Troubleshooting, Security Remediation, Active Directory, HD Imaging,
  - HP thin client configuration, CAC Card Configuration,, Blackberry Configuration.

**The MITRE Corporation. -**McLean, VA  
*Multi-Disciplined Systems Engineer*

2006 - 2008

- **C2PC Performance Testing:**
  - Performance Tested the breaking point of the C2PC Software through overloading with virtual track injectors.
  - Set Up 2 computer linux server with Installation of **Fedora for Linux**
- **URET-UAV Integration Study:**
  - **Technical Research** - Investigated Researched ommunication issues between Unmanned Aerial Vehicles (**UAV's**) and Air Traffic Control (ATC) tools such as **URET** (User Request & Evaluation Tool).
- **Unmanned Aircraft Safety Analyses:**
  - Investigated the safety of **integrating** UAV's) into Civil Airspace. Worked with a mathematical collision risk model, which produced a value of the risk of mid air collision for UAV's.
- **Google Earth Feasibility Study:**
  - Investigated Google Earth (GE) as a feasible mapping tool for a **GIS** (Geographical Info System). Looked at functionalities in Google Earth. Worked with **KML** and **WMS** Servers.

## **EDUCATION**

**George Mason University**, Fairfax, VA

**B.S. in Systems Engineering & Operations Research, 2006**

Concentration in **Statistical Analysis**. Major GPA: **3.4 (Deans List)**

**Senior Design Project: Unmanned Aircraft System (UAS) Safety**

- Systems Engineering Design & Proposal for a Collision Avoidance System for Unmanned Aircraft (UA).
- Functional/Physical Architectures and External Systems Diagrams, using Vitech Core 5.0.
- Simulation Analysis using Rockwell Arena measuring the risk of collision
- Project Management Tools: Microsoft Project to organize the deliverables and work distribution amongst members

## **PUBLICATIONS, & PROJECTS**

- **Blogs Created using the Wordpress Platform**, hosted using AWS EC2, and AWS Route 53
  - <http://www.awsbeginner.com>
- **Cambridge Learning Management System (LMS) Training Video:**
  - <https://www.youtube.com/watch?v=fe00vDI7yvk&t=452s>
- **2006 USMA Capstone Conference, Modeling & Simulation Track, West Point**  
*1<sup>st</sup> Place Award Recognition, Best Project Award*
  - <https://gazette.gmu.edu/articles/8412>
  - <https://s3.amazonaws.com/amir-portfolio/SYST+495+Final+Project-+UCAS+Safety.pdf>
- **IEEE Systems and Information Engineering Design Symposium, University of Virginia**  
*Logistics and Transportation Systems Track. 1<sup>st</sup> Place Award Recognition, Best Paper Award*
  - <https://s3.amazonaws.com/amir-portfolio/UAS+Safety+IEEE.pdf>
- **College Term Paper: Artificial Neural Network Technology**  
<https://s3.amazonaws.com/amir-portfolio/Artificial+Neural+Network+Technology-+Amir+Yunas+2.pdf>

## **FUTURE INTERESTS:**

- Alexa Skill Development
- Coding [Python]
- Continuous Integration/Deployment Automation Tools [Cloud Formation, Ansible, Jenkins, Terraform]
- Wordpress Web Development (CSS, HTML, XML, PHP, MySQL)
- Mobile App Development
- Data Engineering - Hadoop, Spark, Azure HDInsight

## **REFERENCES:**

- Dr. Yunas, M.D.- [mohammadyunas@gmail.com](mailto:mohammadyunas@gmail.com) (757)-399-5780
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