

**Franklyn A Diaz, MSEE**  
**Education (present and future) as of March 2022**  
**-- In Progress --**

**Georgia Institute of technology**

**Master of science in computer science** – In progress

<http://www.omscs.gatech.edu/>

courses: machine learning for trading, SW architecture and design, SW development process, DB Systems Concepts & design, Computational Statistics, Networked Applications and Services, Distributed Computing, Introduction to Enterprise Computing.

**MIT Executive education**

**Professional certificate in Cybersecurity** - 6 month program. In progress: March-October 2022.

[https://executive-ed.xpro.mit.edu/professional-certificate-cybersecurity?utm\\_source=MITxPROWeb](https://executive-ed.xpro.mit.edu/professional-certificate-cybersecurity?utm_source=MITxPROWeb)

**Harvard university**

**Leadership & Management Certificate** - 6 courses program. In progress, expected grad.: September 2022

<https://online.hbs.edu/subjects/leadership-management/>

**-- Completed --**

**Cornell university**

**Engineering Leadership Certificate** - 6 courses program. Completed: December 2021.

<https://www.ecornell.com/certificates/leadership-and-strategic-management/engineering-leadership/>

**Georgia Institute of technology**

**Coding bootcamp (Full Stack Development)** - Completed: October ,2021.

(JavaScript, react.js, EXPRESS, MySQL, C#, node.js, ASP.net, bootstrap)

<https://bootcamp.pe.gatech.edu/coding/>

<https://bootcamp.pe.gatech.edu/coding/curriculum/>

**Expertise areas**

Embedded systems	BIOS development (ASM / C)	Boot loaders	Low level debugger JTAG
	ATA-ATAPI to manage hard disk partitions, password protected area for secure pre-boot env.		
Languages	JavaScript	Node.js	Express
	MySQL, mongo DB	REACT / bootstrap	Visual Studio tools
	C++/C/ASM	JDBC	Java SE
	HTML / CSS		
Versioning applications	bitbucket	MS visual SourceSafe	Perforce
	GIT	GitLab / GitHub	
SW development mgmt. tools and standards	Waterfall model	Agile software development	Six Sigma yellow/white badges.
	DO-178C (Avionics systems standard high reliability / redundancy)		
Integration test and QA	Integration testing	Used IBM DOORS	Java JUNIT
	catch2 (test tool C/C++, java)	DO-178C software compliance test runs, code reviews	

SW mgmt. tools	JIRA	Bugzilla	
Office and PM tools	<b>Microsoft project</b>	Confluence	Microsoft Office
IDE	NetBeans	visual studio code	Atom
	Visual studio 2010/2017/2019		Eclipse
Documentation	Javadoc	Doxygen	
	DO-178C spec. Connect requirements and code where the requirement was fulfilled		