**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>

# 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 | **Microsoft project** | 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 | | |