

# Carlens Josaphat

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## EDUCATION

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Florida Atlantic University

Master of Science in Information Technology & and Management (MSITM)

Bachelor of Science in Computer Science and Computer Engineering (BSCS | BSCE)

Boca Raton, FL

December 2023

December 2021

**Relevant Coursework:** Data Structures, Analysis of Algorithms, Computer Op. Systems, Database Structures, Prin. of Software Engineering, Object-Oriented Design, Internet Computing, Embedded Systems, and Formal Language Automation.

## WORK EXPERIENCE

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**NextEra Energy, Inc.**

**Broward, FL**

*Associate IT Programmer Analyst | Full-Time*

Jan 2022 – Present

- Analyzes, designs, develops, tests, debugs, implements, maintains, integrates, and enhances existing or new systems.
- Applies appropriate Agile or development methodologies, system development lifecycles, tools, and technology.
- Automates the handoff of code releases from development to operations (DevOps).
- Designs, develop, and tests experimental application work to test new ideas with bounded cost and time frames.
- Defines metrics and monitors Service Level Agreements (SLAs) for systems being developed.

**Ebenezer FSDA Church, Org.**

**Lake Worth, FL**

*Director of Technology | Volunteer*

Jan 2022 – Present

- Work with the Tech Team to strategize for the future, maintain worship technologies, and dedicate responsibilities.
- Oversee the sound, media, lighting, Livestream, recording, and upload of Saturday worship.
- Recruit, train, lead, and schedule tech volunteers.

*Web Developer | Volunteer*

May 2018 – Present

**NextEra Energy, Inc.**

**Broward, FL**

*Associate IT Programmer Analyst, Intern | Full-Time*

May 2021 – Aug 2021

- Developed a Customer Service Representative dashboard for the On Call Program using Salesforce technologies.
- Assisted Department with other assigned projects.
- Collaborated on an on-going basis with the Business Systems Analyst.

**Christine E. Lynn College of Nursing, FAU.**

**Boca Raton, FL**

*IT Assistant, Work-Study | Part-Time*

May 2020 – Jan 2021

- IT Support tasks, Google cloud AI, Dialog flow.
- Maintain NIT & Nursing website, Systems Analysis and Support

## PROJECTS

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**Eglin Academy Learning Management System**

- Collaborated in a team of 5 developing a learning management system for Eglin Air Force Academy, located in the Florida Panhandle. The project web application was built utilizing Moodle 3.11 and hosted on FAU servers. My primary roles were to design and implement the course/event structure like Attendance, Modules, Waitlist, Grades, and much more. I also designed a Chabot using BotPress Open-Source Software that answers users' basic questions about the academy.

**Optimizing the Disability Friendliness of Website Design (Prin. of Software Engineering)**

- This Programming Language Oracle was created for computer science (CS), electrical engineering (EE), and computer engineering (CE) students who have a lower-level understanding of programming. It also allowed students with disabilities to have access to the site's contents. My role was Lead Backend and Secondary Frontend Developer.

**Shopping Cart Application (Object-Oriented Design & Programing)**

- Worked in a team of three developing a shopping cart application in Java. When the application begins, it shows a login window. Depending on who logs in, a customer or the seller, the application performs different functions.

**Metal Detector (Intro to Embedded System Design)**

- Worked in a team of two developing a walk-through metal detector prototype. The project also included a 16x2 LCD

displaying a greeting message and alerting security personal if someone is carrying any type of metal.

### **Motion Sensor**

- This was a personal project, where a red LED and a buzzer will turn on if movement is detected. A green LED will stay on if movement is not detected. The project was done using an Arduino board and a Motion Sensor that uses infrared to detect movement.

### **CERTIFICATIONS**

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- Lean Six Sigma (AIGPE)
- Black Belt (ZSSBB121142881)
- Green Belt (ZSSGB121143600)
- Yellow Belt (ZSSYB121144179)
- Microsoft Office Specialist (PBSC)

### **TECHNICAL SKILLS**

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Languages: Python, C/C++, Java  
Web Development: HTML5, CSS3, Bootstrap, Moodle  
Software: Salesforce, Visual Studio, Android Studio, Botpress  
Hardware: MSP430/Arduino Microcontrollers, Multimeter  
Project Mgt: Agile Methodology, Risk Management

### **EXTRACURRICULAR ACTIVITES**

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**National Society of Black Engineers (NSBE) | Computer Accelerated Pipeline to Unlock Regional Excellence (CAPTURE) | Data Science and Machine Learning Club | Urban Male Initiative | AR/VR @FAU | First and Proud | Student Alumni Association (SAA).**