

# REGGIE JOSEPH

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## Profile of Qualifications

BIOCHEMICAL ANALYSIS | BIOMEDICAL DEVICE DESIGN | MOLECULAR BIOLOGY | BIOINFORMATICS  
BIOMECHANICS | DATA ANALYSIS | BIOMATERIALS | BIOPROCESS ENGINEERING | LAB TECHNIQUES  
RESEARCH METHODOLOGY | QUALITY CONTROL | PROJECT MANAGEMENT | TEAM COLLABORATIONS  
GENETIC ENGINEERING | CELL CULTURE ADAPTABILITY | REGULATORY COMPLIANCE | TECHNICAL WRITING | Executive Management

**Highly Motivated Master of Science Candidate** in Biomedical Engineering and Bioinformatics. I excel in challenging research, experiment, data analysis, and project scenarios to collectively work toward advancements in the field of bioengineering. **Hands-On Self-Starter** who offers a solid foundation in biomedical engineering and biochemistry principles with knowledge of cutting-edge technologies to resolve complex biological problems. **Articulate Communicator** who builds strong alliances among multidisciplinary teams to exceed expectations while driving forward-thinking innovation. **Experienced Executive** with multiple years of Experience. **MIT**, Massachusetts Institute of Technology Data Analysis and AI certification.

### **Laboratory & Supplemental Skills:**

- Larval Dissections & Imaging
- Confocal Microscopy and fluorescence imaging
- Produce Writing Samples for Papers
- Microsoft Excel: Compile & Organize Data
- Data Analysis & Programming in Dragonfly Software
- Use of Blender Design Software for Neural Representation
- FIJI-Image J: Using ROI Function to Measure Mitochondrial & Neuronal Areas

### **Technical Skills:**

- Python, SQL, C++, FIJI-Image J, Javascript, Microsoft Excel & Dragonfly Software, SQL programming and Analysis using Excel, Numpy, Python, Matplotlib, and Pandas

## Education

### Degrees:

**Masters in Science in Bioinformatics \*\*Graduating 2026\*\***

John Hopkins University

**Bachelor of Science in Biochemistry**

FLORIDA ATLANTIC UNIVERSITY

(3.8 GPA, Honors Diploma, Summa Cum Laude)

### Certifications:

**Software Engineering Certificate – HTML, Python, SQL, Java script, CMM**

CodingTemple

**Data Analyst and AI Certification**

Massachusetts Institute of Technology

**Data Science and AI Certification**

Refonte Learning

**EKG certification**

## Research & Internships

REFONTE LEARNING, LONDON, ENGLAND

SEPTEMBER 2024 – DECEMBER 2024

### **Data Science and AI intern**

- Mastered SQL programming and Analysis using Excel, Numpy, Python, R, Scipy, Matplotlib, Pandas, Tensorflow, and Tableau.

- **Excelled in Work and engaged in collaboration during group discussions**

JOSEPH SURGERY, LLC, MIAMI SHORES, FL

2018 – 2022

### **Medical Intern And clerical position**

- Directed all front desk operations, including handling multiple office and/or administrative tasks.

- **Continually optimized workflow and productivity in a fast-paced environment.**
- **Contributed solid communication talents toward ensuring seamless office functioning.**

**Science Data Analyst**

- Analyzed mitochondrial and neuronal regions within sensory, motor, and interneurons in C. elegans using Ecell, Fiji image J, and Machine learning Dragonfly Science software
  - **Enhanced understanding of neuronal energy metabolism by exploring mechanisms underlying the regulation of mitochondrial size and density.**
  - **Comprehensively investigated regulation of energy consumption in neurons of diverse functions and neurotransmitter types.**

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## Professional Synopsis

GATHERING OF THE SAINTS ,CHICAGO, IL

MAY 2024 – JULY 2024

**Evangelism and Outreach Specialist Graphic designer and Social Media coordinator**

- Plan, monitor, and host community outreach and evangelism events
- Work with databases and social media outreach. Create and distribute graphic art and design based on Sunday sermon notes. Organize and advertise weekly services on social media. Used social media as a platform for evangelism and outreach

INFINITY MANAGEMENT GROUP, DEERFIELD BEACH, FL

2023 – 2024

**Brand Representative**

- Leveraged broad scope of industry knowledge toward driving results-generating, brand-boosting, and sales-maximizing promotional campaigns to convey brand messaging and product benefits.
- Championed stellar customer service by listening to customer feedback, including quickly addressing concerns and fostering positive relationships to optimize brand loyalty.
  - **Increased customer engagement within a target demographic by 20%.**
  - **Completed 100+ hours of seminars and leadership training to enhance skills.**
  - **Actively ensured brand alignment and consistency across communication channels.**
  - **Co-developed creative strategies to promote new product launches and special events.**

## Community Service

AMERICAN RED CROSS, DAVIE, FL

2018 – PRESENT

**Volunteer**

- Proactively support disaster preparedness for local South Florida residents by educating them on fire safety measures, including installing smoke alarms to enhance safety and preparedness.
- Strengthen collaborative and interpersonal relations skills through ongoing participation in team-based service operations to collectively contribute to a more resilient community.

TABERNACLE OF GLORY, MIAMI, FL

2020 – 2023

**Youth Ministry Facilitator (2020 – 2023)**

- Coordinated and managed high-attendance youth gatherings, along with continually guiding and mentoring youth by providing creative and engaging lessons on biblical narratives.

**Math Tutor (2020 – 2021)**

- Significantly improved student's subject mastery and test results by delivering excellence in personalized and responsive tutoring sessions tailored to meet an individual's needs.
- Established innovation-focused teaching methods to make complex mathematical concepts accessible and engaging for students of wide-ranging learning styles.

**Social Media coordinator/ Graphic designer (2020 – 2023)**

- Work with databases and social media outreach. Create and distribute graphic art and design based on Sunday sermon notes. Organize and advertise weekly services on social media. Used social media as a platform for evangelism and outreach.

UNIVERSITY HOSPITAL, TAMARAC, FL

2017 – 2019

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### **Volunteer**

- Ensured efficient front desk operations by courteously greeting patients, addressing telephone inquiries, and handling recordkeeping. Prepared patient rooms and transported items to the lab.
- Over 100+ hours of Hospital record keeping and nurses station shadowing
- Utilized bilingual abilities in Creole and English to serve as a valuable translator between patients and hospital staff for effective communication and understanding in the medical setting.

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### **Professional Publication**

Riboul DV, Crill S, Oliva CD, Restifo MG, **Joseph R**, Joseph K, Nguyen KC, Hall DH, Fily Y, Macleod GT. Ultrastructural analysis reveals mitochondrial placement independent of synapse placement in fine caliber C. elegans neurons. bioRxiv [Preprint]. 2024 Mar 2:2023.05.30.542959. doi: 10.1101/2023.05.30.542959. PMID: 37398149; PMCID: PMC10312582

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### **Linkedin Profile**

Linkedin: <https://www.linkedin.com/in/Reggie-Joseph-aa612a1b6/>