Nathaniel Joseph

nbjoseph23@gmail.com | (631) 796-6361 | linkedin.com/in/natejoseph23 | github.com/natejoseph | natejoseph.me

EDUCATION

University of Miami, Coral Gables, Florida **May 2025**
Bachelor of Science, **Computer Engineering & Computer Science,** Minor in Communication **GPA: 3.22**
Relevant Coursework: Algorithms; Augmented Reality; Cybersecurity; Data Structures; Electronics; Processors: Hardware, Software, and Interfacing; Structured Digital Design; Systems Programming

SKILLS

Languages: C++/C/C#, Assembly, VHDL, Bash, Python, Java, HTML/CSS
Frameworks / Technologies: Apple ARKit & RealityKit, AWS, DE1-SoC Dev Kit, ESRI, Git, Google ARCore, iOS, Jira, Kali Linux, ModelSim, MRTK, PSpice, Quartus Prime, TensorFlow, Unity/MARS, UNIX, XCode, YOLO

RELEVANT EXPERIENCE

Digital Tales, Milan, Lombardy, Italy (Remote) **July 2023 – August 2023**
Incoming Software Engineer Intern (Part-time)
● Taking a role as a developer for an undisclosed augmented reality application using Unity as an engine

University of Miami, Coral Gables, Florida **April 2022 – Present**
Full-stack Developer, Frost Institute for Data Science and Computing
XR Software Engineer, Information Technology Innovate Team
● Designed, developed, tested, and deployed spatial applications using Magic Leap headsets in an Agile workflow
● Lead developer and designer of a mobile AR app that uses YOLOv8 computer vision technology to scan food and return its macronutrient data concerning portion size. Uses a self-trained database of over 120 thousand food images with hundreds of food options that are scannable and accurate, allowing for user input correction
● Full-stack development, work towards application expansion by learning and using the PEAN stack to allow for multiple user registration, real-time image capturing, and uploading to a database via RDBMSs

PROJECTS

Calorie Checker AR **June 2022 – Present**
● An innovative image-analysis application that gives users the macronutrient and caloric information of food by scanning them with their phone camera in real-time

LICENSES AND CERTIFICATIONS

Generative AI learning path	*Google Cloud Skills Boost*	**June 2023**
Explore a Career in MLE learning path	*LinkedIn*	**June 2022**
Unity Junior Programmer/Essentials	*Unity*	**May 2022**

EXTRACURRICULAR ACTIVITY

University of Miami XR Garage | Google Developer Students Club | Caribbean Students Association | Boxing Club | Pi Kappa Phi Fraternity

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

National Society of Black Engineers, Coral Gables, Florida **August 2022 – Present**
Chapter Senator, Vice President Candidate
● Developed and implemented initiatives to enhance diversity and inclusion within the engineering community, organizing workshops, panel discussions, and networking events to foster an inclusive environment for underrepresented students
● Collaborated with NSBE executive board members and school administration to secure additional funding for scholarships and resources, resulting in increased financial support for NSBE members pursuing engineering degrees

SEO Career, New York, NY **May 2023 – Present**
SEO EDGE Participant
● Receive coaching and online instruction to achieve targeted interview, technical, and professional developmental goals
● Learn business fundamentals to compete successfully for internship opportunities
● Complete industry-specific training focused on developing technical skills, institutional knowledge, and attention to detail

ADDITIONAL INFORMATION

Professional Affiliations: ColorStack, eMerge Americas (2022 & 2023 Attendee), Live! 360 Orlando (2022 Attendee, AI)
Languages: Haitian Creole (fluent), Spanish (fluent), American Sign Language (proficient)
Personal Interests: DJing, Manga, Social activities, Sports (basketball, chess, e-sports, football, MMA), Vinyl Collecting