

Nathan D. LaBar

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EDUCATION

Florida Atlantic University (FAU)

Expected Aug. 2026

College of Engineering and Computer Science, Boca Raton, FL

Bachelor of Science in Computer Science, Minor in Artificial Intelligence

RELEVANT COURSEWORK

Intro Data Science Analytics, Mobile App Projects, Intro to Artificial Intelligence, Engineering Design 2, Object Oriented Design & Programming, Computer Architecture, Advanced Database Systems, Design/Analysis of Algorithms, Communication Networks, Computer Operating Systems

TECHNICAL SKILLS

Programs/Languages: Visual Studio, XCode, Swift, MySQL, Altera Quartus, MongoDB, C++, VHDL, SQL, NoSQL, Python, Java

ACADEMIC PROJECTS

Intelligent Spatial Analysis During Hurricane Events

May 2026

Engineering Design 2, Spring 2026 semester

- Worked in a team to analyze a large twitter dataset by applying locally run LLM's to determine the sentiment and relevance of each tweet, then visualize them on a map in QGIS to find interesting patterns

Tools used: QGIS, Visual Studio Code, GitHub, Google Colab

OnTrak IOS Application Project

Dec. 2025

Mobile App Projects, Fall 2025 semester

- Designed and created an IOS application in conjunction with AI, backend database API, and live activity functionality. Distributed the app for testing on TestFlight

Tools used: XCode, SwiftUI, Cursor, Firebase, APNS

INDEPENDENT PROJECTS

DIDIDO? IOS Appstore Application

June 2026

Personal Project, Published Summer 2026

- Created, designed, and submitted for review to the Apple App store. Accepted and published in June. 'Didido?' utilizes CloudKit sharing functionality, allowing users to collaborate across dashboards.

Tools used: Xcode, SwiftUI, Cursor, CloudKit, Figma, Icon Composer

WORK EXPERIENCE

RIB Chief Engineer/Light Armored Vehicle (LAV) Mechanic

Sept. 2018 - Sept. 2022

United States Marine Corps (USMC)

- Planned and performed maintenance/repair of 11m Rigid Inflatable Boats and LAV platforms
- Took inventory of and communicated parts orders based on SKAT (Shipboard Knowledge Access Tools) system
- Supported recon teams during operations and scouts during field exercises

MEMBERSHIPS

FAU Men's Rugby Club team

Jan. 2023 - May 2026

Boca Raton, FL