# Dylan Muraco

Jacksonville, FL
dylanjmuraco@gmail.com ❖ (440) 731-2515
[dmuraco.me](dmuraco.me) ❖ [github.com/dmuraco3](github.com/dmuraco3) ❖ [linkedin.com/in/dylan-muraco](linkedin.com/in/dylan-muraco)

## WORK EXPERIENCE

**University of North Florida**                                       **Aug. 2024 – Present**
*PASS Leader*                                                               *Jacksonville, FL*

- Lead weekly supplemental instruction sessions for Programming 1 students, reviewing lecture content and facilitating practice coding problems to enhance understanding.
- Led supplemental instruction sessions for Programming 1, reviewing lectures and facilitating coding practice.
- Assist students with coding questions, debugging, and understanding key programming concepts.
- Use leadership, communication, and time management skills to plan and run effective sessions.
- Collaborate with PASS leaders to simplify problem wording for improved student comprehension.

**Self Employed**                                                       **Nov. 2021 – Present**
*Freelance Web Developer*                                                   *St. Augustine, FL*

- Led design, development, and maintenance of websites for multiple high-profile companies.
- Oversaw core strategies, marketing, and development as Cofounder & Lead Developer.
  - **Key Result:** 100% client satisfaction by delivering tailored web solutions on time and within budget.
  - Achieved 24/7 uptime on all websites through extensive monitoring and testing.
  - Implemented modern web technologies to improve site performance and user experience.
  - Company website link: [webtechcd.com](webtechcd.com)
- Utilized Figma, React, Tailwind CSS, Vercel, Sanity, Google Analytics, HubSpot, and GitHub for efficient project management and development.

## PROJECTS

**Rust Grad  (WIP)**                                        [github.com/dmuraco3/rust_grad](github.com/dmuraco3/rust_grad)

- Developing a type-safe machine learning library in Rust, focusing on maximizing speed and efficiency. Writing custom metal shaders from scratch to accelerate computation and leverage GPU performance.
- **Technologies:** Rust, Metal shaders, GPU programming

**LittleCrypto**                                            [github.com/dmuraco3/LittleCrypto](github.com/dmuraco3/LittleCrypto)

- Developed a 400-line Python program to simulate algorithmic trades using quantitative analysis. Implemented data analysis for strategy testing and automated trade entries, exits, and stop-loss calculations to mimic real trading scenarios.
- **Technologies:** Python, Pandas, custom algorithms

## EDUCATION

**University of North Florida**                                             **May 2026**
*B.S., Computer Science*                                                    *Jacksonville, FL*

- Tutored and mentored peers in programming.
- Relevant coursework: Data Structures, Algorithms, Software Engineering

## SKILLS & INTERESTS

- **Skills:**
  - **Web Development:** React, Next.js, Tailwind CSS, JavaScript, Typescript, HTML, CSS
  - **Tools:** Visual Studio Code, Vim, Git, GitHub, Figma, Vercel
  - **Additional:** Strategic planning, client communication, project management