

NATHAN PIEL

Niceville, FL • (240) 810-4172 • <https://linkedin.com/in/nathan-piel/> • <https://ncp.one> • [nthnpiel@gmail.com](mailto:nthnpiel@gmail.com)

Computer Science Graduate Student at Florida Poly. Wanting to work on meaningful tech.

EDUCATION

Florida Polytechnic University

- Master of Science, Computer Science (Ongoing) ..... Aug 2025 – Aug 2026
- Bachelor of Science, Computer Engineering ..... Aug 2021 – May 2025
  - Graduated with Summa Cum Laude Cord
  - GPA: 3.93

WORK EXPERIENCE

Fadr

- Mobile App Developer — Part-Time ..... Sep 2025 – Present
  - Developing a new mobile experience for SynthGPT — an AI synthesizer generator
- Audio Plugin Developer — Full-Time ..... July 2025 – Aug 2025
  - Revamped SynthGPT Audio Plugin
  - Rewrote expensive UI components with Efficient GLSL Shaders
  - Designed and implemented Audio Effect Chain System Prototype
- Machine Learning Intern — Full-Time ..... May 2024 – Aug 2024
  - Hand-picked 1TB of data to train state-of-the-art machine learning model (now live)
  - Researched machine learning techniques for SynthGPT
- Software Engineering Intern — Full-Time ..... May 2023 – Aug 2023
  - Developed Stems Audio Plugin for AI driven music production company
  - Delivered on-time update to game-changing company product line

INVOLVEMENT

Florida Poly IEEE Student Chapter

- IEEE HKN Executive Board Member ..... 2025 - Present
  - Plan HKN events and distribute club news
  - Brainstorm plans to boost HKN enrollment and interest
- IEEE Robotics and Automation Society Programming Lead ..... 2025 – Present
  - Programming for yearly IEEE-organized autonomous robot competition — IEEE Southeastcon
  - Organize and run weekly meetings
  - Keep members focused, excited, and productive — winning the competition is our priority
- IEEE Main Branch Executive Board Member ..... 2023 – 2025
  - Manage social media accounts and maintain club website
  - Ranked 2<sup>nd</sup> place in IEEE Southeastcon website competition
- IEEE HKN Honor Society ..... Spring 2025
  - Inducted into Florida Poly’s Mu-Omega Chapter
- IEEEXtreme Programming Competition ..... October 2024
  - 24-hour competitive programming competition
  - Ranked 5<sup>th</sup> in the United States and 415<sup>th</sup> in the world

Florida Poly Band

- Band Leadership ..... 2025 – Present
  - Future event planning
  - Manage sheet music library
- Trumpet Player ..... 2021 – Present

SKILLS

APL, Bash, C, C++, Common Lisp, CSS, Git, GLSL, HTML, Java, JavaScript, Linux, Lua, Python, Rust, TypeScript, Verilog