

WILLIAM DUNLAP

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EDUCATION

Bachelor of Science in Computer Engineering

GPA: 3.87/4.0

University of Florida, Herbert Wertheim College of Engineering

Expected Graduation May 2026

- Relevant coursework: Differential Equations, Programming Fundamentals 2, Engineering design, Digital Logic and Computer Systems, Linear Algebra, Applications of Discrete Structures

Associate in Arts

GPA: 4.0/4.0

Eastern Florida State College (EFSC)

Graduated May 2023

- Relevant coursework: Communication, C++ programming, Calculus I, II, III
- Competed in the 2021 EFSC Coding Competition

SKILLS AND AWARDS

Hard Skills: Python (Intermediate), C++ (Basic), MATLAB (Basic), 3D Printing (Intermediate), Soldering (Basic), SolidWorks (Certified), Onshape (Intermediate), Troubleshooting, Microsoft Office

Soft Skills: Attention To Detail, Analytical Thinking, Problem Solving, Communication, Teamwork, Creativity, Adaptability

Awards: Phi Theta Kappa Honors Society member, Six semesters on the EFSC President's list, Graduated Eastern Florida State College with honors

EXPERIENCE

STEPUP: The Student Transition and Enhanced Preparation for Undergraduates Program

STEPUP Scholar

June 2023 – August 2023

- Participated in 7 rigorous workshops to develop hard and soft skills such as: Calculus, Chemistry, Physics, Research, Communication, and Teamwork
- Collaborated with other students to write a scientific research paper to publish in a peer-reviewed journal
- Led a team to design, construct and program an articulated desk lamp with inbuilt clock functionality, using an Arduino starter kit
- Established a professional network through facility tours and presentations led by corporate representatives in many engineering industries

IEEE, Open Project Space

Active Member

August 2023 – Present

- Attended weekly lectures to gain proficiency in multiple aspects of embedded systems
- Worked with an Arduino Nano to construct multiple circuits with different functions
- Learned the basics hardware and software implementation such as interrupts, serial communication, and Arduino C programming

FIRST Robotics Team 233 (Pink Team)

Mechanical Safety Captain

January 2020 – May 2023

- Worked on a team with NASA Mentors to design a robot capable of performing a given task
- Used CAD to implement mechanical features in the safest way possible

Wings of Grace Ministries

Student

August 2019 – December 2022

- Completed 90+ hours of FAA certified ground school
- Finished 21 hours of flight as Pilot in Command with an FAA certified flight instructor
- Learned the basics of aerodynamics and aircraft control

Suntree United Methodist Church

Production Coordinator (Volunteer)

April 2019 – June 2023

- Managed broadcast audio and video for three hours of streaming content per week on YouTube, Twitch, and Facebook
- Worked with open source, streaming and production applications (OBS, Bitfocus Companion, Dante, ProPresenter, Light Factory)

PROJECTS

Articulated Desk Lamp with Clock Functionality – “Autolightic”

June 2023 – August 2023

- Lead a team through all steps of the engineering design process to complete an articulated desk lamp with a built-in clock
- Used microcontrollers to sense sunlight and optimize the direction of the light beam while displaying the time on an LCD screen