ERIC HOLT

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PROFESSIONAL SUMMARY

Entry-level programmer pursuing a **B.S.** in **Computer Information Systems** with a specialization in **Software Programming**. Skilled in **Python** programming with applied experience developing projects such as **data-driven analytics**, **web applications**, and microcontroller simulations. Recognized for adaptability, rapid learning, and strong troubleshooting abilities, with a commitment to expanding technical expertise in **software development** and modern programming practices**.**

TECHNICAL SKILLS

Programming: Python (PCEP certified), C++, JavaScript, HTML/CSS

Tools/Frameworks: Flask, TensorFlow.js, Matplotlib, Chart.js, Git, VS Code, Render

Systems: CAN bus diagnostics, PLC basics, Embedded Systems (ESP32, PlatformIO)

Other: Microsoft Office, CAD concepts

EDUCATION

DeVry University – *Bachelor of Science in Computer* Information *Systems* (Expected 2028)
Specialization: Programming, Machine Learning & Design Technology
Relevant Coursework: Technology & Information Systems, Applied Systems, Data Structures & Programming

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CERTIFICATIONS & ACCOMPLISHMENTS

• PCEP – Certified Entry-Level Python Programmer, Python Institute, 2025

• Dean's List, DeVry University, 2025

• EVT (F-1, F-4, F-6), ASE (T-2, T-6, T-7)

TECHNICAL PROJECTS

Flask Chatbot Web App (Python, Flask, Render Deployment) **-** *Live Demo* | *GitHub*

- Built and deployed a Flask chatbot web app with GitHub integration and cloud hosting live, 24/7 on Render.
- Troubleshot deployment errors and optimized routing, showcasing skills in web dev and cloud deployment.

Weather Data Analytics Tool (Python, Matplotlib, NOAA SDK, CSV)

- Built a Python app that retrieves and analyzes NOAA weather data via APIs, with CSV export for reporting.
- Applied data cleaning and visualization using Matplotlib to generate trend and comparison plots.

ESP32 Microcontroller Simulation (VS Code, Wokwi, PlatformIO, C++)

- Programmed and simulated IoT functionality on ESP32 using C++ in Wokwi/PlatformIO.
- Debugged firmware builds in Visual Studio Code, gaining hands-on embedded systems experience.

Weather Web App (Python, Flask, Bootstrap, Chart.js) **-** *Live Demo* | *GitHub*

- Developed a Flask web app delivering real-time weather data and multi-day forecasts with user-friendly visualizations live, 24/7 on Render.
- Integrated Bootstrap for responsive design, Chart.js for interactive charts, and implemented search history with error handling.

Image Classifier Web App (JavaScript, TensorFlow.js, HTML/CSS) **-** *Live Demo* | *GitHub*

- Developed a browser-based image classifier using TensorFlow.js, enabling real-time predictions directly in the client without server-side processing.
- Built an interactive web interface with HTML/CSS and deployed it on Render for live, 24/7 availability.

EXPERIENCE

City of Coppell – Emergency Vehicle Technician (Feb 2024 – Dec 2024)

City of Grapevine – Master Mechanic / Fire Apparatus (Jul 2022 – Feb 2024)

Siddons-Martin Emergency Group – Field Service Technician (Jan 2017 – May 2022)