

Pablo Pulido Mencías

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Profile Summary Third-year Telecommunications Engineering student with hands-on experience in microcontroller programming and electronic circuit design. Strong interest in semiconductor technology and eager to learn about related topics.

Education University Carlos III of Madrid, Spain
Bachelor in Telecommunications Engineering
2023-2027

Northern Arizona University, USA
Exchange program – Bachelor in Electrical Engineering
Relevant courses: ET 411 – VLSI Design
2025-2026

Technical Skills	Programming languages: <ul style="list-style-type: none">CJavaSQLBasic MATLABHTML, CSS, and JavaScript	Tools / IDEs: <ul style="list-style-type: none">Eclipse IDEVisual Studio CodeWiresharkQuartus II
	Embedded Systems / Electronics: <ul style="list-style-type: none">STM32 (STM32CubeIDE)Experience with timers, ADC, and other peripheralsCircuit analysis and design	Networking / Protocols: <ul style="list-style-type: none">Knowledge of network protocols (TCP/IP, UDP)Packet analysis (Wireshark)

Projects **Autonomous car with STM32L152RBT6**
Developed a small-scale autonomous car implementing multiple navigation models: autonomous forward/backward movement with obstacle detection, and manual control via mobile device.

Programmed in C, on the STM32 Discovery board integrating ultrasonic sensors (HC-SR04), motors and drivers, potentiometer, buzzer, and a Transducer Bluetooth HC-06.

Applied embedded systems knowledge including timers (PWM, TIC, TOC), ADCs, USART communication, and basic circuit design.

Languages

- Spanish (Native)
- English (Fluent, TOEFL C1)