

Nurve's Electronics Guru Andre LaMothe Launches Blockbuster Arduino Microcontroller Course on Udemy!

Learn embedded engineering and microcontroller development with the user friendly Arduino platform.



Austin, Texas Jul 23, 2024 ([Issuewire.com](https://www.issuewire.com)) - Nurve Networks LLC is a bespoke engineering firm that develops and manufactures embedded systems for education, gaming, and industrial applications. Additionally, they develop customized courses in Electrical Engineering, AI, and Game Development.

Embedded engineering, "edge computing" and IOT are going to continue to grow exponentially into the foreseeable future. With advances in computation, miniaturization, low-power design, wireless communications, and sensors, the need for "embedded engineers" and experts in microcontrollers, firmware, and embedded development is going to skyrocket. Additionally, with AI in the limelight, more and more applications will require AI-enabled hardware. This means the need for students and engineers entering the job market or pivoting from other engineering fields to electronics can greatly benefit by mastering embedded engineering fundamentals.

[Sample Lecture Demo](#)

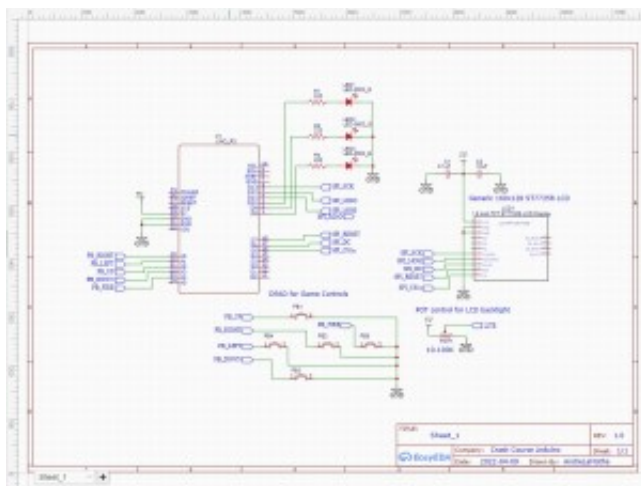
Nurve Networks CEO and founder Andre LaMothe is well known as a Master Instructor/Author in Electrical Engineering, Game Development, and 2D/3D Computer Graphics. He has launched a new course on Udemy, over 3 years in the making - "**Crash Course Arduino and Microcontroller Development**". He has built the most complete course on embedded engineering, microcontrollers, and the Arduino platform for beginners. The course takes you on a journey through countless topics such as:

- * Learn about microcontrollers, microprocessors, and their internal architecture including how instructions are executed, ALUs, Buses, MMUs, DMA, and more.
- * Learn the Arduino platform's hardware, software, and APIs as a working platform to bridge the gap to more complex systems like ARM later in the course.
- * Understand C/C++ from the ground up and how to write effective firmware for embedded systems and memory/compute-constrained systems.
- * Learn how processors run at the bare metal level including inline and external assembly language programming and interfacing with C/C++.
- * Conquer advanced Computer Science subjects such as optimization theory, data structures, recursion, interrupts, and Big O analysis.
- * Explore multitasking on microcontrollers by developing an interrupt-based round-robin kernel as well as using FreeRTOS.
- * Become an expert in numerous tools such as compilers, IDEs, TinkerCAD, EasyEDA, Replit, VSCode, CodeLite, Fritzing, MPLabX, STM32CubeIDE, and more.
- * Overcome programmable logic and the fundamentals of CPLDs, PALs, GALs, and FPGAs along with a primer on hardware description languages and CUPL.
- * Conquer power management and sleep modes and how to shut peripherals down in your embedded designs, wake from interrupts, and manage power effectively.
- * Master one of the fastest-growing and highest-paid engineering fields in the world.

"Crash Course Arduino and Microcontroller Development" features over 111 hours of video and 128 lectures and is currently rated at 5 stars.

You can check out the course here on Udemy:

[Crash Course Arduino and Microcontroller Development](#)



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