

Introduction to Single Board Computers

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Experience

- Developed Ultra Low Cost Display Camera Interface at **Infineon Technology** digital design department France
- Designed 3D Stencil Memory Structure at **PLDA Italia** Italy
- Implemented Programmable Memory Controller for Vector SoC at **Microsoft Research Cambridge**
- **Barcelona Supercomputing Center and Microsoft Research Center**

Agenda

Introduction

- **Single Board Computers**
 - **Hardware Architecture**
 - **RaspberryPi**
 - **Arduino**
- **Operating System**
 - **Linux**
- **Programming**
 - **C/C++**
- **Development**
 - **LEDs**
 - **Serial Communication**
 - **Stepper**
 - **Remote Access**

