

SW Engineer Internship Automotive



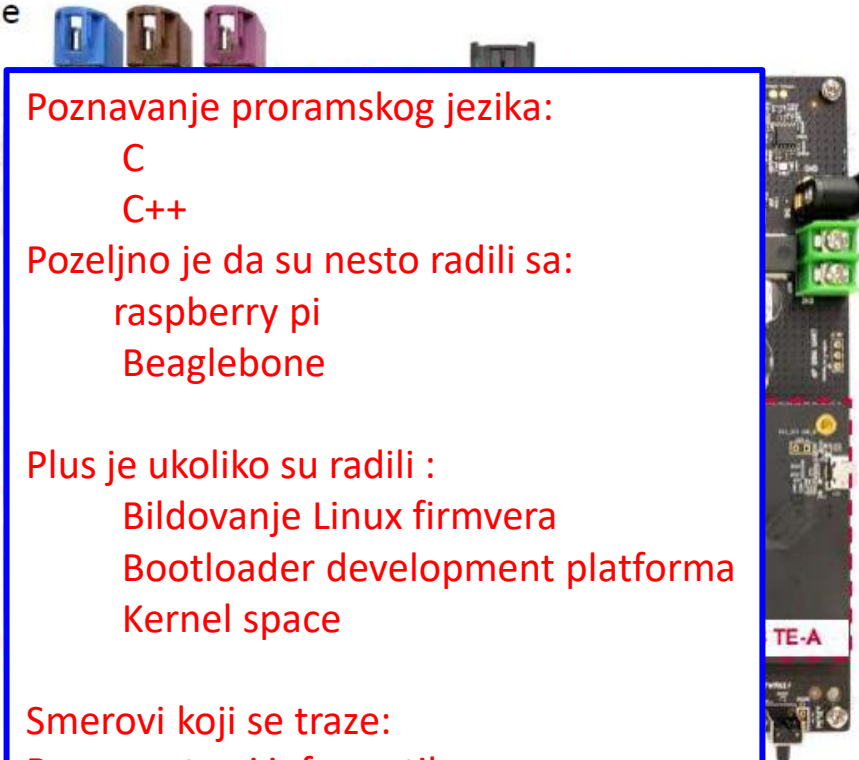
Internship Description

As an intern you will learn about embedded software development lifecycle, programming in C/C++ and debugging technics. You will work on embedded Linux based systems (user space, kernel, device driver development), gain knowledge of

- Hardware interfaces (I2C, SPI, UART, I2S, GPIO);
- Network protocols (TCP, UDP, MQTT, HTTP);
- Cross-compiling;
- Cmake;
- Version control systems (GitLab, Gerrit);
- Linux Administration and Linux commands;
- Developing AT commands and APIs;
- Working with the latest and most sophisticated equipment;
- Understanding basic concepts of cellular technologies 2G-5G;

Responsibilities

- Work on Yocto based systems, designing and developing cross-platform code in C/C++;
- Develop, maintain, customize, and improve modular and scalable embedded systems components;
- Work in cross-functional teams using Agile software development methods;
- Write unit tests and perform software verification and validation
- Working with young and dynamic environment with a lot of experience in embedded SW engineers.



Poznavanje proramskog jezika:

C

C++

Pozeljno je da su nesto radili sa:

raspberry pi

Beaglebone

Plus je ukoliko su radili :

Bildovanje Linux firmvera

Bootloader development platforma

Kernel space

Smerovi koji se traze:

Racunarstvo i informatika

Elektronika

Komunikacije i informacione tehnologije

SW Engineer Internship LPWA



Internship Description

As an intern you will learn about embedded software development lifecycle, programming in C and debugging technics. You will work on RTOS based systems and gain knowledge of

- Hardware interfaces (I2C, SPI, UART, I2S, GPIO);
- Network protocols (TCP, UDP, MQTT, HTTP);
- Cross-compiling;
- Building tools (Cmake, Make);
- Version control systems (GitLab, Gerrit);
- Developing AT commands and APIs;
- Working with the most sophisticated equipment;
- Understanding basic concepts of cellular technologies 2G-5G;

Responsibilities

- Work on RTOS based systems, designing and developing cross-platform code in C;
- Develop, maintain, customize, and improve modular and scalable embedded systems components;
- Work in cross-functional teams using Agile software development methods;
- Write unit tests and perform software verification and validation
- Working with young and dynamic environment with a lot of experience in embedded SW engineers.

Poznavanje proramskog jezika:

C

C++

Pozeljno je da su nesto radili sa:

raspberry pi

Beaglebone

Plus je ukoliko su radili :

Bildovanje Linux firmvera

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SW Engineer Smart Module Internship



Internship Description

As an intern you will learn about Embedded Linux and Embedded Android development lifecycle, programming in C/C++ scripting and debugging technics. You will gain knowledge Linux and Linux commands, Linux Drivers, work on Android Open-Source Project and Android Application programming.

Responsibilities

- Work on developing driver for Linux and debugging (LCD, Camera, Battery, UART, SPI, I2C, GPIO, etc.)
- Configuration AOSP and HIDL/AIDL
- Work on Android application

Poznavanje proramskog jezika:

C

C++

Pozeljno je da su nesto radili sa:

raspberry pi

Beaglebone

Plus je ukoliko su radili :

Bildovanje Linux firmvera

Bootloader development platforma

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Field Application Engineer (FAE) Internship



Internship Description

As an intern you will learn about Quectel's entire product portfolios, including 5G, LTE/LTE-A, UMTS/HSPA, GSM/GPRS and GNSS wireless technologies. Gain more experience in embedded product design or Firmware development in electronics, gain knowledge GSM/GPRS /EDGE / UMTS/LTE/TCP/IP/GPS specification/standards.

Responsibilities

- Work on providing technical support for Quectel's full product line, including wireless, LTE, UMTS/HSPA (+), GSM/GPRS and GNSS modules.
- Work on embedded software or embedded hardware customer support
- With our team participate in project analysis and troubleshooting, to solve technical problems

Poznavanje proramskog jezika:

C

C++

Pozeljno je da su nesto radili sa:

raspberry pi

Beaglebone

Plus je ukoliko su radili :

Bildovanje Linux firmvera

Bootloader development platforma

Kernel space

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Racunarstvo i informatika

Elektronkse komponente i mikrosistemi

RF Tester Internship



Internship Description

As an intern you will learn to perform measurements of antenna parameters, but also to perform measurements of radio parameters of wireless modules. All these tests are performed in a full-anechoic chamber using state-of-the art VNAs, spectrum analyzers and base station simulators.

Smerovi koji se traže:
Elektronika
Komunikacije i informacione
tehnologije

Responsibilities

- Measuring antenna parameters such as gain, radiation patterns and efficiency.
- Measuring the total radiated power of a wireless device.
- Measuring the total isotropic sensitivity of a wireless device.
- Calibrating the anechoic chamber.
- Verification of the anechoic chamber.
- Drafting reports.
- Working with antenna engineers.

Internship Description

As an intern you will learn to perform functional and performance tests of wireless modules, which includes cellular modules, WLAN modules, Bluetooth modules, etc. You will also learn to use state-of-the-art laboratory equipment such as base station simulators, communication testers, power analyzers, etc.

Responsibilities

- Testing the network connectivity using either an MNO's network, or base station simulators.
- Testing internet protocols, such as HTTP, TCP, FTP, etc.
- Testing bus protocols, such as SPI, I2C, UART, etc.
- Measuring the power consumption of modules in various modes of operation.
- Working with test automation engineers.
- Working with embedded SW engineers.

Poznavanje proramskog jezika:

C

C++

Python

Smerovi koji se traže:

Elektronika

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