NOKIA

NOKIA Romania - Summer Practice Projects 2019

NOKIA Romania is looking for enthusiastic and creative students for summer practice projects to enhance their future professional career.
Do you want to put your knowledge to work, add new skills and contribute to something big and extraordinary?

Index	Summer Internship Project Title	Short Description of the project	Technical Requirements to complete the task	Department	Details (number of students, hours/day, period available)
1	Testing & Debugging 5G features	Our team is called Entity Testing and we focus on testing 2G-3G-4G-5G software solutions on Nokia equipments for worldwide customers	Students in 3rd or 4th year of an IT&C faculty	Mobile Networks	2 students 6h/day July-August
2	Radio Frequency Sharing Principles in Newest Radio Technologies	Testing the RF Sharing applied to latest technologies in Nokia: 4G, 5G, Cloud Radio.	Telecom basic/automation basic/Linux basic	Mobile Networks	7 students 4 - 6h/day July - September
3	Single Radio Access Network SyVe testing	System verification testing applied to Single RAN Nokia product. Possibility to learn different level of verification testing: Operability, Transport, Security.	Telecom basic/automation basic/Linux basic	Mobile Networks	3 students 4 - 6h/day July - September
4	Start-up in automation	Introduction in automation and basic knowledge how to set up an automated test framework, working with Jenkins, Pycharm and GIT	Basic knowledge in version control system and telecom	Mobile Networks	2 students 4h/day July-August
5	Introduction into Single Base Transceiver Station and Tools	SBTS architecture and Tools used in NOKIA for testing and validation	Telecom knowledge	Mobile Networks	2 students 4h/day July-August
6	Build a script which automatically decodes a core dump file	Python application which should automatically perform all the steps required to decode a core dump file.	Python/Shell/Web crawling knowledge	Mobile Networks	3 students 4 - 6h/day July-August
7	Script to retrieve corresponding eNB load build to a PR correction form	Pronto is a tool where product code bugs are reported. The goal is to build a script to retrieve corresponding eNB load build to a Pronto correction form	Python knowledge	Mobile Networks	2 students 4 - 6h/day July-August
8	Report with daily logged hours from Jira per domain and per L-PO	Jira is a tool used to log hours spent per day/per week on different projects. Task consists in providing a report with all hours logged in Jira in a certain period.	Python and json:api knowledge	Mobile Networks	2 students 4 - 6h/day July-August
9	Discover C++11 features in telecommunications	Passionate about algorithms as well as innovation and you have an eye for compiler errors? Here you will discover and apply the latest trends in C++ 11 standard within real-life telecommunication situations.	OOP, C++, Unix	Mobile Networks	2 students 4 - 6h/day July - September
10	Introduction to Radio Network Controller Troubleshooting	Troubleshooting Multicontroller RNC Troubleshooting Tools Troubleshooting Commands	WCDMA Basics	Global Services	1 student 6h/day
11	Web page development using Python, JavaScript, CSS and HTML	Creation of a web page inside the departments existing Web Site, meant to translate a procedure into a SMART Graphical User Interface, with live dynamic status output	basic programming knowledge (e.g. HTML)	Global Services	1 student 6h/day
12	Learning about antenna systems and antennary chains	Assist the technician from the begging of the operation till the end, engage performance verifications and establish if the work that has been done is correct.	Mandatory French Speaker	Global Services	2 students 4 hours / day in shifts (one from 9 to 13 other from 14 to 18)
13	Network integration and modernization	Single Radio Access Network remote network integration activities	Basic telecom knowhow. Radio architecture. French would be an advantage	Global Services	2 students 6h/day
14	Remote coordination of telecom network optimization and renewal project	Request, approve and coordinate network changes and site integration in the telecom environment. Introduction in Change Management process and follow up on project milestones.	Basic Telecom Knowledge, Communication, Analytical thinking.	Global Services	4 students 6h/day
15	Coordination and Communication through the entire lifecycle of a Major Outage in the telecom network	Control and coordinate teams involved in resolution of network outage, Incident Management, Outage Management, SLA management, Technical Network overview,	Basic Telecom, Communication & Negotiation skills, English mandatory, German is a plus	Global Services	4 students 6h/day
16	CO Pre-sales Service Solution	Introduction to Pre-sales SSM (Service Solution Manager) activity	Wireless Telecommunications Infrastructure - Overview	Center of Competence	1 student 6h/day
17	CO Pre-sales Product Solutioning and Sales Consultancy	Introduction to Corporate Sales and Pre-sales. Product Solutioning and Sales Consultancy.	Wireless Telecommunications Infrastructure - Overview	Center of Competence	2-3 students 6h/day
18	Autonomous delivery Courier Rover	With the help of a set of "computer vision" techniques aid a motorized platform (rover) to deliver goods at predefined locations. The road is considered, and unknown environment and the path is determined on the fly. LIDAR and ultrasonic sensors will be used to provide input information for TensorFlow	Arduino or similar coding skills advanced level. TensorFlow intermediate level. Electronics knowledge intermediate level Good to know: Communication protocols, Transmission protocols	Nokia Romania Garage	4 students 4-6h/day July-August
19	Smart Parking System	Deploy in real environment a smart parking system using an existing framework working in proof of concept mode. Work on plate recognition algorithm and prepare a mobile app to use by end users	OpenCV, C++, Mobile Apps	Nokia Romania Garage	3 students 4-6h/day July-August

Spend your summer with NOKIA
Choose top two project preferences and send your CV at recrutare@nokia.com by **May 12th**