NOVELIC

NOVELIC is the radar and perception solutions provider. We provide radar sensor platforms, products and solutions, custom-made or ready to use. We do engineering services for vehicle perception systems for autonomous driving and ADAS, based on automotive infrastructure. NOVELIC develops, tests, and organizes manufacturing of electronic products for Industrial and IoT niche applications. Our portfolio is supported by strong competence, quality of work, and a holistic approach gathering all modern electronics fields and software engineering under one roof, connected through lean principles and processes. NOVELIC has a dynamic and creative working environment with excellent working conditions. A stable long-term career roadmap for proven team members is our goal, so as yours.

We invest in excellence, offer excellence and ask for excellence.

We are pleased to enable students of the final years to be a part of our internship program in the area of:

DSP Intern for mm-Wave Radar Sensors

As an DSP Intern within Novelic, you will have the opportunity to be a part of the already proved and established internship training program consisting of the following tasks:

- **Understand basic principles of the mm-Wave FMCW radar operation.**
- **Understand mm-Wave radar architecture and appropriate physical effects which are deteriorating FMCW radar performances.**
- **Direct hands-on experience with various mm-Wave FMCW radar commercially available platforms, with special emphasis on the NIC in house developed 60-GHz FMCW radar module.**
- **Deep understanding of each individual module in the standard radar signal processing chain from both algorithm (Python) and DSP FW (C/C++) perspective.**
- **At the end of the training process each DSP intern will get completely isolated problem from the existing NIC product portfolio. The results of the assigned task, including the one obtained during the internship, are to be published in a form of scientific paper, bachelor, or master thesis.**

During the internship program each intern will have a dedicated experience mentor, which will try to help with completing all the above mentioned steps. Moreover, satisfying results during the internship will increase the chance of getting the full-time position within the Novelic Design Centre in Belgrade.

The duration of the program is usually between 3-6 months depending on the current knowledge level and invested effort of the candidate.

What competences we are looking for:

- **Final year/master studies student at relevant University in area of Electronics.**
- **Strong theoretical background in analog and digital electronics.**
- **C and Python are an advantage.**
- **Solid knowledge of English, both written and spoken.**

As a part of our team you should be:

- **Interest in solving complex and time critical problems.**
- **Positive, motivated and eager to learn new things.**
- **Able to think creatively and produce “outside of the box” solutions.**
- **Prepared to tackle new technology.**

If you are interested in internship in a dynamic environment with possibility to improve knowledge in the area of DSP and to work with some of the best engineers, send us your CV and a brief motivation letter in PDF format to the following e-mail: internship@novelic.com with following subject: <NIC_Internship_DSP_YourName>.

For more insight visit our website: www.novelic.com
We look forward to meeting you!
NOVELIC team