



DENYS LEVCHUNETS

EMBEDDED ENGINEER

CONTACT DETAILS:

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Website: <https://github.com/noRneeded>

Location: Ukraine, Khmelnytskyi

SKILLS

- **Programming:** C / C++ embedded / Matlab
- **MCU families:** AVR / ESP / STM32
- **IDE & code editors:**
VS Code / Atmel studio / Arduino / KEIL µVision
- **Peripheral:** Xbee / Bluetooth / Wi-Fi / ADC / DAC / SD card / Sensors
- **CADs:** Altium designer / Pcad / KOMPAS
- **Languages:** English (intermediate) / Ukrainian (native) / Russian (fluent)

INTERESTS & ABOUT

- Keep wondering about technologies in the field of radio engineering and programming. The best way is to implement them in real projects.
- Have a habit to keep stuff in order: on the desk, in code, in my head.

GOVERNMENTAL PROGRAMS

- 55-2012 "Theoretical bases evolution and methods development of combined static-dynamic signal types spectral estimation in radiolocation"
- 55-2015 "Evolution and research of multifrequency phase radiolocation rangefinder theory methods"

CAREER HISTORY

Lead engineer

"Radionix-MLT" LLC | May 2017 - present

- Provided special-purpose equipment products production launch and its support.
- Conducted import substitution, reverse engineering and modernization tasks in order to improve product parameters and expand its functionality.
- Participated in scientific results and utility models patenting.
- Developed test equipment (some based on MCU), both with accompanying documentation on it.
- Took part in qualification tests of product prototypes.
- Made decisions on both defects rectification and finalizing of product, due to its failures.

Junior researcher

Radio Engineering Department KhNU | 2012 - 2016

- Studied localized basis transformations (such as wavelet and windowed FFT) in signal processing task, as a part of governmental programs*.
- Proposed a method of choosing the wavelet transform core as a part of solution for deterministic signals asynchronous filtering task.
- Developed a method of synthesizing a wavelet transform core using PCA for QAM-based constellations.
- Obtained results were published in scientific articles.
- Participated in specialized conferences both with study results approbation.

ACADEMIC BACKGROUND

Khmelnytskyi National University

Master of Radio Engineering | 2008-2012

- Attended from 2013 to 2017

- Graduated with Honors

edx.org

CS50 by Harvard University