Marko Lainović

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EDUCATION

M.Eng. in Electronics Engineering — 2014 (expected)

School of Electrical Engineering, Belgrade

Electronics Department.
Focus on practical implementation and utilization of theoretical concepts in digital signal processing through ARM7 architecture and development of skills in real-time computing.

B.Eng. in Biomedical Engineering — 2013

School of Electrical Engineering, Belgrade

Engineering Physics Department.

Undergraduate thesis
- Time-frequency methods in biomedical signal processing

Notable projects:
BMIT Lab (http://bmit.etf.rs/)
- Development of EMG conditioning software in MATLAB.
- Development of average gait speed computing software in MATLAB.
Dosimetry and Radiation Protection:
- Monte Carlo simulations in determining absolute efficiency of cilindric γ-ray detectors
- Particle collisions and their energy dependance
Digital Image processing:
- Image Resizing by Seam Carving in MATLAB

WORK EXPERIENCE

HIgh Tech Engineering Center   Apr 2013 — Oct 2013

DSP Engineer

Internship.
Job responsibilities: market researching and implementation of modern algorithms for digital signal processing on physiological signals, in particular, ECG signals obtained on homemade device.

• Was doing and organizing research for ECG devices market, making complete and comprehensive list of present devices and algorithms in order to establish latter development stages.
• Implemented denoising algorithm for ECG signals performing superiorly to traditional methods.
• Implemented heart rate analysis algorithm combining multiple detection rules and merging detected their frames of interests thus making desicion-rule stage easier.
• Helped in ECG morphological analysis.

SUR "Miletic"   2012 — 2013

Administration and in-store work

Worked in an exclusive grocery store supplying high quality produce and exotic fruits.

Pekara Toma d.o.o   2009

Delivery and in-store work

Worked in a fast-paced environment and utilizing assembly-line teamwork in a renowned Serbian bakery, supplying the area supermarkets and exclusive hotels over the city.

"Direktna Trgovina d.o.o   2008

Administration

Provided service of archiving and processing applications for a trade company.

Various companies   2005 — 2008

Laborer

Worked in various companies doing manual labor through summer jobs.

Various companies   2003 — 2005

Computer servicing, repairing and tech support

Volunteered in a couple of small firms in Computer Repair and Maintenance departments.

SOFTWARE SKILLS

I have used extensively C and MATLAB throughout my education, and I am well familiar with LabVIEW and Fortran.
I'm also interested in new types of programming and managing frameworks.

WORK RELATED SKILLS

I am observant, react quickly and work well under pressure.
I have a positive attitude and am eager to take on new experiences.
I am persistent and get a lot of satisfaction out of completing my projects well.
I communicate well and am able to co-operate well with others.

QUALIFICATIONS

PC hardware maintenance (basic and intermediate course)

INTERESTS

Basketball, swimming, learning, Jeet Kune Do, watching movies and playing games, hardware, electronic and rock music.

DRIVER'S LICENCE

B category.