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Birth date: 07 Jul 1992
Citizenship: Ukraine

Bereziuk Ivan

Education

2013-2015   **Master of Physics**, *Taras Shevchenko National University of Kyiv*, Ukraine.

Thesis title: *Initial design studies of a drift tube detector for SHiP experiment, CERN.*

Supervisor: Dr. Massimiliano Ferro-Luzzi, massimiliano.ferro-luzzi@cern.ch

Studied and simulated the behaviour of long STRAW tubes for SHiP experiment. The project was developed at CERN.

2009-2013   **Bachelor of Physics**, *Taras Shevchenko National University of Kyiv*, Ukraine.

Thesis title: *Position sensitive Si microstrip detector for X-ray analysis*

Supervisor: Prof. Dr. Valery Pugatch, pugatch@kinr.kiev.ua

Made the restore work and reverse engineering for Si-strip sensor-based detector equipment (ASIC + FPGA based DAQ) and further developing of the prototype.

Work & Practical Experience

Oct 2015 - Dec 2015   **Intern**, Samsung Research and Development Institute Ukraine, Kyiv.
- Mobile application development under TIZEN OS (**C/C++** programming)
- Certification training and implementation of Git, TDD, Agile Software Development process in practice.
- Working with computer vision library (OpenCV)

July 2014 - Jan 2015   **Intern**, EPFL, Lausanne, Switzerland.
- Developing, documenting and maintenance of a C++ library responsible for parsing and analysing of LaTeX-articles source code.
- Project placed here: github.com/Domest0s/texpp

Nov 2013 - Feb 2014   **iOS mobile developer**, *SAPRUN*, Kyiv, Ukraine.
- Development of business oriented mobile(iOS) application (Objective-C).

July 2012 - Sept 2012   **Intern at "DESY Summer Student Programme"**, *Zeuthen*, Germany.
- Photon penetrating target modelling and destructive analysis using ANSYS software.

Personal skills

Languages	English (professional working proficiency) German (basic (A2.1)) Ukrainian (mother tongue) Russian (fluent)

Technology summary

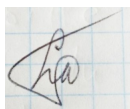|	
OS	Ubuntu, Windows, Mac OS X
Programming languages	advanced: `C/C++11 (+STL & boost)` good: LaTeX, ActionScript 3.0, ROOT, Mathematica, MATLAB basic: Objective-C, Verilog, FORTRAN, SQL, QML, Java, Python, Pascal
Additional skills	Git, CMake, bash, Doxygen, LabVIEW, PhotoShop
target programming	TIZEN OS mobile, Arduino, STM32, ATmega8, FPGA(Altera, Xilinx)

	Information processing	Communication	Content creation	Safety	Problem solving
Digital competence	Proficient user	Proficient user	Basic user	Independent user	Independent user

Interests

technical	Microcontrollers-, FPGA-programming, programmable technique, DirectX/openGL/Vulcan, high performance computing (OpenCL)
Hobbies	Basketball, Guitar

Munich,   April 7, 2016