

Petr Stepanov

731 High St, Apt. 76, Bowling Green, OH, 43402

+1 (419) 973-05-99, stepanovps@gmail.com

EDUCATION

Schools:

Mathematical School #1534 Sept 1993 – May 2000
gym1534.ru

Lyceum “School 2” (phys-math bias) Sept 2000 – May 2004
sch2.ru

Bachelor and Master’s degree:

National Research Nuclear University “MEPhI” Sept 2004 – Feb 2011
mephi.ru/eng

Department of Theoretical and Experimental Physics

Major: Condensed Matter Physics

Thesis statement: Investigation of radiation defects in irradiated reactor vessel steels by means of the Positron Annihilation Spectroscopy

Courses:

British Higher School of Art & Design Dec 2011 – Feb 2012
britishdesign.ru/en

Department of Graphical Design and Visual Communications

PhD:

Bowling Green State University Sept 2014 – now
bgsu.edu

Center for Photochemical Sciences

Materials studies by means of the Positron Annihilation Spectroscopy and Doppler Broadening of Annihilation Radiation.

SOCIAL NETWORKS

ResearchGate: researchgate.net/profile/Petr_Stepanov2

LinkedIn: linkedin.com/in/petrstepanov/en

Dribbble: dribbble.com/petrstepanov

GitHub: github.com/petrstepanov

COMPUTER SKILLS

Scientific Packages: LaTeX, ROOT Data Analysis Framework, Maple.

Software: Eclipse IDE, Adobe Photoshop, Adobe Illustrator, Adobe Flash, Sketch.

Programming Languages: C++, PHP, Java, JavaScript, jQuery, Fortran 95.

Technologies: HTML, CSS, LESS, SASS, Bootstrap, SVG, Git, Bower, Gulp, AngularJS.

WORK EXPERIENCE

Engineer, Software Developer Oct 2006 – Mar 2011
Institute for Theoretical and Experimental Physics, Moscow, Russia
itep.ru

- ◇ Positron Annihilation Lifetime Spectroscopy. Spectra interpretation and treatment. Applying the CERN ROOT libraries for the spectra processing (import, fitting, plotting and output).
- ◇ Maintaining and tweaking the software of the CAMECA Tomographic Atom Probe.

UI/UX Designer, Frontend Web Developer Apr 2011 – Aug 2014
Gridnine Systems, Moscow, Russia
gridnine.com

- ◇ Otixo startup. Prototyping the user interface of the app. Designing and programming the frontend part of the application and marketing website otixo.com
- ◇ ATH American Express. Designing user interfaces for corporate travel-oriented web applications.

Research Assistant Sept 2014 – current
SelimLab, Bowling Green State University
physics.bgsu.edu/faselim/

- ◇ Setting and tuning the digital Positron Doppler Spectrometer. Making software for [spectra processing](#) and [interpretation](#) (CERN ROOT GUI) .
- ◇ Acquisition and interpretation of the positron lifetime spectra in various materials.

UI/UX designer, Frontend Developer Sept 2014 – current
Freelance

At the most, I do prototype and design web applications and mobile interfaces. So far I worked on these apps:

- ◇ [Otixo](#). Simple cloud file manager.
- ◇ [Lili](#). A social network for creating and sharing lists. Homepage: myli.li
- ◇ [Maskd](#). Anonymous messaging app for iPhone. Homepage: maskd.me

PRESEN- TATIONS

41-st Polish Seminar on Positron Annihilation Sept 9-13, 2013
Oral, Marie Curie University, Lublin, Poland

The prospect of application positron spectroscopy for detection of nanostructures in liquid mixtures

Bowling Green State University Ohio Inorganic Weekend
Poster, Bowling Green State University Campus

Nov 13-14, 2015

Approaching Structural Defect Characterization and their Chemical Identification by Means of Coincidence Doppler Broadening of Annihilation Radiation

2016 Joint Spring Meeting of the APS Ohio-Region Section
Oral, University of Dayton, Dayton, OH

Apr 8-9, 2016

Identification of chemical environment of defects in ZnO by means of digital coincidence Doppler broadening of positron annihilation radiation

2016 Electronic Materials Conference
Oral, University of Delaware in Newark, Delaware

Jun 22-24, 2016

High-Sensitivity Measurements of Defects in ZnO by Means of Digital Coincidence Doppler Broadening of Positron Annihilation Spectroscopy