

PAVEL V. FERNATI

Kyiv, Ukraine

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PERSONAL QUALITIES

Goal-oriented, responsible, diligent.

EDUCATION

2006 - PhD in Engineering sciences (Solid Mechanics). S.P. Timoshenko Institute of Mechanics, National Academy of Sciences of Ukraine, Kyiv, Ukraine.

Thesis Topic: "Nonlinear creep of viscoelastic one-directional fibrous composites and their components under tension." Advisor: Professor Vladislav P. Golub

2002 - Master's engineering degree in Equipment of the Pharmaceutical and Microbiological Industry. National University of Food Technologies, Kyiv, Faculty of Mechanics

WORK EXPERIENCE

- January 2021-now Freelance Web Developer.

- July 2000-now S.P. Timoshenko Institute of Mechanics, Kyiv, Ukraine, Department of Mechanics of Creep.

2008- now Senior Researcher

2006-2008 Research Scientist

2004-2006 Junior Research Scientist

2000-2004 Engineer

Job description:

- Development and software implementation of numerical analytical procedures in various programming languages and mathematical packages.
- Collection, analysis, statistical processing and interpretation of experimental data.
- Development, modernization and numerical testing of mathematical models.
- Publishing scientific articles.
- Lead projects with young scientists.

- September 2006-2021 Freelance tutor in mathematics and physics.

ADMINISTRATION

Leader of a grant for the young scientists from National Academy of Sciences of Ukraine, 2009-2010, 2010-2011, 2011-2012, 2012-2014.

SKILLS

- JavaScript (ES6), ReactJS (Redux, React-router, RxJS, React-Bootstrap...);
- NodeJS, Express, (MERN)...;
- HTML, CSS (BEM), SASS (SCSS), Bootstrap;
- Git, Gulp, MongoDB, Firebase, Netlify, Heroku;
- VS Code, WebStorm, Prepros, Zeplin;
- C#, C++, Matlab, QBasic;
- Photoshop, MathCad, Autocad.

LANGUAGES:

- Ukrainian – native,
- Russian – fluent,
- English – intermediate

PET PROJECTS :

JavaScript:

- My CV: <https://fpvcv.netlify.app>
- Web site for "ГипсокартонПро" company: <https://gipsokartonpro1014.netlify.app>
- The application for tutors (React): <https://github.com/Pasha147/MySchool>
- The mini-game: <https://first-61653.web.app>

C#, C++ : Several applications for Statistical processing of mechanical test data.

Matlab: Several applications for solving problems of mechanics of solids based on the finite element method.

C++: student projects for Arduino

QBasic: plotter control applications

RESEARCH PROJECTS:

Since 2004-now, I have been taking part in scientific research in Solid Mechanics.

FELLOWSHIPS

- Fellowship of the National Academy of Sciences of Ukraine for young researchers, 2006-2008
- Fellowship of the President of Ukraine for young researchers, 2009-2011, 2012-2014