Maxim Lukin

Working student/ Werkstudent

Address: Erlangen, Germany, 91052
Phone: +49 163 211 5371
Email: lukin.maxim@gmail.com

LinkedIn: https://linkedin.com/in/maxim-lukin-67635420b
ORCID iD: https://orcid.org/0000-0002-8831-3719.

Curriculum vitae

Personal Information

Date of birth: December 17, 1997 in Novokuznetsk, Russia
Nationality: Russian
Marital status: Unmarried, no children.

Executive Summary

Being a person with a strong mathematical understanding of the methods used in simulation modelling, as well as experience in structural mechanics, I am going to get a master's degree at a German university. I assume it will expand my professional horizons. Also, I am proud to have advanced knowledge of speaking and writing English, and I still continue attending the German courses. I am a flexible person for different projects in all sectors of modelling and structural analysis.

Professional Skills

Finite Element Method (FEM), MATLAB, ANSYS, Stress Analysis, Microsoft Office, Simulation, Writing academic papers and technical reports, C++, AutoCAD, Python, STARK ES, Microsoft SharePoint, LIRA SAPR, Mathematical analysis, LaTeX.

Career Objective

Working for Siemens AG would widen my perspectives by giving me incomparable to anything experience in innovative composing and allow me to start my international career. Your company would give me an opportunity to reveal myself as a part of a professional team.

Employment

09/2019 – 10/2020 **Junior Engineer | JSC Research Center of Construction**
Moscow, Russia

Tasks

- Performed Finite Element static, dynamic analysis of 3D structures
- Estimated of structural components and their links
- Analysed steel elements and their connections
- Prepared and supervised the final versions of technical reports

Successes

- 4 regional and 2 international well passed projects
- Increased the productivity of the analysis team by ≈ 20%
- 6 scientific technical reports confirmed by expert review.

Interships

06/2019 – 09/2019 **Intern Simulation and Structural Mechanics |**
Laboratory for Automation of Research and Design of Structures
JSC Research Center of Construction (`http://en.cstroy.ru`)
Moscow, Russia
- Structural Analysis with Finite Element Method
- Simulation of Dynamic Loads

04/2019 – 06/2019 **Intern Wind Impact Simulation |**
Industrial Research Laboratory for Aerodynamic and Aeroacoustic Testing of Building Structures
Moscow State University of Civil Engineering (`(https://mgsu.ru/en/)`
Moscow, Russia
- Evaluation of wind impacts on buildings and structures using physical wind tunnel simulations and numerical simulation.

Education

10/2020 – Present **MSc. in Computational and Applied Mathematics |**
Friedrich–Alexander University Erlangen–Nürnberg (FAU)
Erlangen, Germany
- Focus Areas: Computational and Applied Mathematics (CAM)

09/2019 – 07/2021 **MSc. in Applied Mechanics |**
Moscow State University of Civil Engineering (MSUCE)
Moscow, Russia
- Focus Areas: Analysis and FEM Simulation
- Thesis: "Study of Industrial Tower Type Supporting Frame on Wind Impact" (grade: excellent)

09/2015 – 07/2019 **BSc. in Applied Mathematics |**
Moscow State University of Civil Engineering (MSUCE)
Moscow, Russia
- Focus Areas: Applied Mathematics
- Thesis: "Research of Wind Impact on Rectangular Uncovered Industrial Frameworks with Equipment or Protecting Screen" (grade: excellent).

Additional Skills & Qualifications

Courses **CodeCademy:**
Learn C++, C++ for Programmers, Differential Calculus
LinkedIn:
Simulation for Finite Element Analysis, AutoCAD: Advanced 3D Modeling, C++ Best Practices for Developers

Languages

Russian	Native speaker
English	Independent (CEFR: C1)
German	Basic (CEFR: A2).

Publications

[1] L. Frishter, M. Lukin: *Experimental study of wind impact on multilevel industrial scaffolding,* E3S Web of Conferences 157, 06009 (2020), pp. 228-298.

References

Yuri Zhuk
JSC Research Center of Construction | Head of Department
+7 499 170-10-80 | laip@tsniisk.ru
Supervisor
Mr. Zhuk supervised my work at Research Center of Construction and supporting my career at the beginning

Prof. Dr. Lyidmila Frishter
University Professor | Moscow State University of Civil Engineering
FrishterLY@mgsu.ru
Academic Advisor
Prof. Dr. Frishter was a valuable contact and guardian during the completion of my theses.