Nikola Stoyanov

https://nikstoyanov.me

nstoyanov.92@gmail.com
https://github.com/nikstoyanov
https://linkedin.com/in/nistoyanov

Education

The University of Manchester 2016-Present
PhD in Materials Science
- > PhD Thesis: Assessment of the fire resistance of structures after exposure to LNG
- > Computational and mechanical modelling of materials and structures
- > Supervisors: Professor Y. Wang, Professor H. Iacovides
- > Sponsors: Element Materials Technology

The University of Manchester 2011-2016
M.Eng. in Civil engineering with Industrial Experience

Engineering

Element Materials Technology // Part time certification engineer 2016-Present
- > Developing in-house regression methods for statistical modelling
- > Developing calculation software with .Net, Python and VBA
- > Presentation to potential clients; responsible for generating revenue from software sales

Exova // Certification engineer intern 2014-2015
- > Performance assessments and statistical modelling of fire protection materials from test data

Awards

Exova Technical Conference 2015 // Awarded for technical contributions during the placement year 2015

Teaching

MACE60004 Research methods // Matlab, Git, Fortran Fall 2017 & Fall 2018

MACE61059 Finite Elements // Abaqus Spring 2018

Skills

Development
- > Python, Julia, C/C++, Go, JavaScript, SQL, Git

High Performance Computing
- > CUDA

Web
- > Heroku, AWS, PostgreSQL, Redis

Research tools
- > CI/CD, Tensorflow, Jupyter, Numpy / SciPy, Pandas, SolidWorks, Abaqus, GMSH, VTK, LaTeX

Activities and Interests

Strajury // Go, React, PostgreSQL, Redis: https://strajury.com
pyCM // Python, SciPy, VTK, QT: https://github.com/nikstoyanov/pyCM