

EUROPEAN CURRICULUM VITAE FORMAT



PERSONAL INFORMATION

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| Name | Babukov Yordan Kamenov |
| Address | Bulgaria, Sofia, Krasno selo |
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| E-mail | yordanbabukov@gmail.com |
| Nationality | Bulgarian |
| Date of birth | 25.03.1990 |

EDUCATION AND TRAINING

- Name and type of organization providing education and training
2013 - 2015
Master 'Biomedical Informatics', Faculty of Mathematics and Informatics, Sofia University 'St. Kliment Ohridski'
Diploma thesis:
'Visualization of the Kinetics of Protein Recruitment and Detachment during DNA Repair in Eukaryotic Cells'

Development of interactive, cross-platform software with graphical user interface based on WebGL, GLSL and JavaScript for visualisation and mathematical modelling of complex DNA damage repair pathways.

Supervisor: PhD Stoyno Stoynov from the Institute of Molecular Biology, Bulgarian Academy of Science.
Master of Informatics
- Title of qualification awarded
• Name and type of organization providing education and training
2009 - 2013
Bachelor degree in 'Informatics', Faculty of Mathematics and Informatics, Sofia University 'St. Kliment Ohridski'
Bachelor of Informatics
- Title of qualification awarded

- Work interests and hobbies

Linux.
Computer networks.
Internet technologies.
Virtualization.
Data bases.
Clustering.
Parallel programming.
Computer graphics.
Bioinformatics.
Probability and Statistics.
Automating workflow.

Supporting different kinds of open source initiatives and communities.

Spends the early time of the nights as a teaching assistant at the Faculty of Mathematics and Informatics in Sofia University of courses: Operating system. Computer networks. Computer graphics. Probability and statistics.

Spends the late time of the nights playing with program languages like C, C++, Python, Bash, Awk, R, JavaScript, WebGL, GLSL, Logo, Matlab, Lisp, Prolog

- Projects

2015-2016, Bulgarian Science Fond

Dynamics, mechanisms and order of binding of DNA repair proteins in living cells

University teaching courses development:

2015-2015 'Computer graphics with WebGL'. The course goal is to use WebGL as much as possible (without libraries like PlayCanvas, TreeJS, etc).

2015-2015 'SUICA'. WebGL based course. The library called SUICA was made for the course.

2013-2014 'Fundamentals of computer graphics'. As final result were created more than 200 demonstrational programs with 2D and 3D animations, the most interesting were compiled in 3D mode and ran in SimPro laboratory for 3D visualizations in the Faculty of Mathematics and Informatics in Sofia University.

- Conferences

2015, Member of the organizational team of OpenFest2015, Sofia, Bulgaria

2014, Attendance in conference organized by VIB 'Bioimage Informatics', Leuven, Belgium

2014, Fundamentals of space technologies, Sofia, Bulgaria