

# Mladen Georgiev Valkov

## Personal Details

First name: **Mladen**

Middle name: **Georgiev**

Last name: **Valkov**

Gender: **Male**

Birth date:

Citizenship: **Bulgaria**

I live in: **Sofia/Bulgaria**

## Work Experience

Period: **May 1st 2021 - till now**

Job Title: **Software engineer**

Company/Organization: **LucidLink**

Business sector: Hardware/Software industry

Location: Sofia

Company size: 100-300

Additional Details: Cloud SaaS, File system, Authentication mechanisms, Cryptography

Period: **August 6th 2018 – March 24<sup>th</sup> 2021**

Job Title: **Software engineer**

Company/Organization: **GRCE**

Business sector: Hardware/Software industry

Location: Sofia

Company size: 5 - 10

Additional Details: Develops new programming products or modifies existing software to corrects errors, allow it to adapt to new hardware, or to improve performance

Period: **August 2015 - July 2018**

Job Title: **Mathematician**

Company/Organization: **Institute of progressive education**

Business sector: Education, science

Location: Sofia

Company size: 5 - 10

Additional Details: Developed materials for training for mathematical competitions, developed the materials for the system JUMP Math.

Period: **October 2015 - June 2018**

Job Title: **Lecturer in practice classes**

Company/Organization: **Sofia University - Faculty of mathematics and informatics**

Business sector: Education, science

Location: Sofia

Company size: 100 - 300

Additional Details: Introduction to programming (C++), Data structures and programming(C++), Linear algebra, Functional programming(Scheme/Haskell)

## Education

Period: **October 2015 - June 2017**

Major: **Applied mathematics - Optimization**

Level: Master's degree

School: **Sofia university - Faculty of mathematics and informatics**

Location: Sofia

Description/Main Subjects: 5.93

Period: **October 2011 - June 2015**

Major: **Computer science**

Level: Bachelor's degree

School: **Sofia university - Faculty of mathematics and informatics**

Location: Sofia

Description/Main Subjects: 5.84

Period: **September 2006 - June 2011**  
Major: **Profile - Mathematics, Informatics, English language, Bulgarian language**  
Level: Secondary school  
School: **"Nancho Popovich" High school**  
Location: Shumen

Description/Main Subjects: 5.98

## Languages

Additional Details: TOEFL - 96 pts.  
Certificate for chinese language and culture, Huawei - Seeds of the future program

Mother tongue: **Bulgarian**

	<b>Comprehension</b>	<b>Speaking</b>	<b>Writing</b>
<b>English</b>	Fluent	Fluent	Fluent
<b>Chinese</b>	Beginner	Beginner	Beginner
<b>Russian</b>	Beginner	Beginner	Beginner

Additional Details: TOEFL - 96 pts.

## Skills

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Computer Skills: **Programming (C++), Wolfram mathematica, Adobe indesign**  
Skills: **Mathematics, problem solving, teamwork, creativity, self-motivation, planning**  
Managed people: **Yes (2)**  
Driving License: **Yes**  
Categories: **B**

## Additional Courses and Certificates

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Additional Courses: GRE Mathematics Subject Test, 14 April 2018: Percentile – 84%

### Publications:

- "Properties of uniform tangent sets and Lagrange multiplier rule", Comptes Rendus de l'Academie bulgare des sciences, Mira Bivas, Nadezhda Ribarska, Mladen Valkov, 2018
- Chehlarova, T., Valkov, M., (2021). Game with vertical axis of symmetry in a rectangular board. Symmetry: Culture and Science, 32, 2, Symmetrion, 285-288
- Вълков М. (2022) Синхронно дистанционно обучение в образователната игра "СтруниМа", Е-списание "Педагогически форум", брой 1, 2022, DOI: 10.15547/PF.2022.005

### Projects:

- "Modelling species transport through membrane in Haemodialysis" - ECMI Modelling Week, July 17 - 24, 2016, Sofia, Bulgaria - "Voronoi diagram", 12th International Conference on Geometry and Applications - "Mathematics with computer", IMI-BAS

### Selected awards from international mathematical competitions:

- 28th Balkan Mathematical Olympiad, 4-8 may 2011, Iasi, Romania, Silver Medal;
  - 6th South Eastern European Mathematical Olympiad of University students (SEEMOUS), 2012, Gold Medal
  - 11th Junior Balkan Mathematical Olympiad, 2007, Silver Medal;
  - International Mathematics Competition for University students, 2012, Blagoevgrad, Third Prize
  - International Zhautykov Olimpiad, 11-17 January 2010, Almati, Kazakhstan, Bronze Medal
  - International Youth Mathematics Contest, 2007, Hong Kong, Silver Medal;
  - International Mathematics Competiton (IMC), 2008, Chiang Mai, Thailand, Silver Medal;
  - 5th Geometrical Olympiad in honour of I.F.Shargin, Final round, 2009, Moscow - Dubna, Third Prize
  - Mathematical Danube Competition, 2010, Calarasi, Gold Medal;
  - Mirror of William Lowell Putnam Mathematical Competition, 2015, Second Prize; Took part in All Russian Mathematical Olympiad, 2011, 2010.
- Many first/second/third prizes in national competitions – Winter Mathematical Competition, Spring Mathematical Competition, Autumn Mathematical Competition, National Mathematical Olympiad, Mathematical Kangaroo etc. First place in Borislav Boyanov tournament, 2016. Awarded with akad. Nikola Obreshkov prize two times – 2013, 2015, University student of the year 2015 for mathematics and informatics.

**Mladen Valkov CV**