



# Aleksandar Aleksandrov Popvelichkov

**Date of birth:** 15/12/2006 | **Nationality:** Bulgarian | **Gender:** Male | **Phone number:**

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## WORK EXPERIENCE

01/04/2021 – CURRENT Varna, Bulgaria

**DRAFTING TECHNICIAN CAD LIGHTSOURCE LTD.**

- CAD modeling functional parts and assemblies to manufacture directly:
  - weldment profiles - precise and automated laser metal beam cutting for easier assembly
  - sheet metal laser cutting & bending (furniture, staircases)
  - 3D printing, CNC routing
  - metal & gypsum casts
- CAD modeling & rendering sketched product ideas for client visualization purposes
- Designing furniture from the ground up

on average with pauses: 1 drawing per month - ca. 10 hrs per drawing

**Business or Sector** Manufacturing | **Department** Planning and Drawing | **Email** [deform@abv.bg](mailto:deform@abv.bg) | **Website** <https://deform.bg/>

01/07/2024 – 15/09/2024 Silistra, Bulgaria

**INTERN REBUS FLIGHT SCHOOL**

- Basic aircraft maintenance and safety checks: engine oil levels, tire pressure, landing gear & control surfaces routine inspections
- Repairing Antonov AN-2: assisted in a complete repainting and corrosion removal
- Involved in administrative and documental part of running the airfield
- Ensuring airfield and hangar safety

daily work

**Business or Sector** Transportation and storage | **Department** Aircraft maintenance | **Email** [info@rebusfly.cloud](mailto:info@rebusfly.cloud) |

**Website** <https://www.rebusfly.cloud/>

21/07/2023 – 21/08/2023 Varna, Bulgaria

**TECH INTERN KINETIK AUTOMOTIVE OOD - EDUKARTGO**

- CAD modeling structural parts of the go-kart: battery, ESC & motor Mounts and Cooling; belt drivetrain design
- Programming the Electronic Speed Controller
- Selection of the right components through constraint analysis
- Extensive project documentation: Bill of Materials, Task lists, Components used
- Created materials for students on how to assemble the EduKartGO Kit and on STEM basics

ca. 80 hours in total

**Business or Sector** Professional, scientific and technical activities | **Department** EduKartGO STEM | **Email** [info@kinetik-e.com](mailto:info@kinetik-e.com) |

**Website** <https://edukartgo.com/>

15/01/2022 – 15/07/2022 Varna, Bulgaria

**TECH INTERN KINETIK AUTOMOTIVE LTD**

- running the 3D printing farm:
  - handled robust SLS, precise SLA and large-scale FDM printing;
  - maintaining, troubleshooting and upgrading the 3D printers
- CAD modeling structural parts for the Kinetik 07 e-car and tools for the workshop
- laid the foundation for using RTK GPS in Kinetik's custom telemetry system (achieved 8 mm position accuracy and sent the data in real time to a ground station)
- drone operator for social media
- photogrammetry and 3D scanning for the design department

varying work hours - between 50 and 100 hrs. per month

**Business or Sector** Professional, scientific and technical activities | **Department** R&D and 3D Modelling/Printing |

**Address** Perunika St., 9010, Varna, Bulgaria | **Email** [info@kinetikautomotive.com](mailto:info@kinetikautomotive.com) | **Website** <https://kinetikautomotive.com/>

## EDUCATION AND TRAINING

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15/09/2023 – 15/05/2025 Varna, Bulgaria

**SECOND STAGE OF SECONDARY EDUCATION (ВТОРИ ГИМНАЗИАЛЕН ЕТАП)** High School of Mathematics "Dr. Petar Beron"

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Profiled preparation (specialisation) subjects: Mathematics, Informatics & Information Technology.

Emphasis on:

- wide and solid mathematical foundation
- C#, Python, SQL programming; HTML & CSS
- CorelDraw, Photoshop, Excel, Access
- sparked my interest for working out

MATURA STATE EXAMINATION SUBJECTS:

Bulgarian language and literature; Mathematics (Profiled Preparation)

I studied Physics as an Extended Preparation subject in 11th grade. Due to lack of interest this year, there is no way to study Physics in 12th grade. I indicate this as a deficiency and will eliminate it before the start of my Aerospace BSc studies.

**Website** <https://mgberon.com/> |

**Field of study** Mathematics , Software and applications development and analysis , Inter-disciplinary programmes and qualifications involving Information and Communication Technologies (ICTs)

**Level in EQF** EQF level 4

01/09/2022 – 21/06/2023 Chemnitz, Germany

**FIRST STAGE OF SECONDARY EDUCATION (SEKUNDARSTUFE I) - EXCHANGE YEAR** Dr.-Wilhelm-Andrè-Gymnasium

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Attended 10th grade at a secondary school (Gymnasium) during my Exchange year in Germany from 14-Aug-2022 to 30-Jun-2023.

Studied all subjects in the Saxon study plan for the 10th grade with an emphasis on:

- Art and Music
- natural sciences: Mathematics, Physics, Biology, Chemistry

**Address** Henriettenstraße 35, 09112, Chemnitz, Germany | **Website** <https://andregymnasium.de/> | **Final grade** 76% |

**Level in EQF** EQF level 3

15/09/2020 – 30/06/2023 Varna, Bulgaria

**FIRST STAGE OF SECONDARY EDUCATION (ПЪРВИ ГИМНАЗИАЛЕН ЕТАП)** High School of Mathematics "Dr. Petar Beron"

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emphasis on:

- Mathematics
- German
- IT & Informatics

NB! My exchange year (10th grade) was recognized by the government and was not repeated in Bulgaria.

**Website** <https://mgberon.com/> |

**Field of study** Mathematics , Physics , Biology , Chemistry , Earth sciences , History and archaeology , Philosophy and ethics , Language acquisition

**Final grade** 84% | **Level in EQF** EQF level 3

## LANGUAGE SKILLS

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Mother tongue(s): **BULGARIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C1	C1	C1
GERMAN	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

HOBBIES AND INTERESTS

RC Airplanes and Drones

Anyone who has known me for a longer time, will tell you about my passion for all things flying. I've dreamed about airplanes ever since I was a kid.

I was introduced to RC model flying at the age of 12 and have since built my own airplanes. Many of them didn't survive their maiden flights, but some flew quite well :) In addition, I also build and fly FPV drones. The past summer I put in some time and thoughts into a possible design.

My biggest dream is to build and fly a manned VTOL and/or ultralight airplane. So it only logical for me to pursue an Aerospace engineering degree.

DIGITAL SKILLS

CAD

SolidWorks | SW sheet metal | SW visual rendering | SW weldment profiles | CorelDraw

Engineering

FEM | Ansys -basic | Structural and Flow analysis | Microsoft Excel

Programming

HTML | CSS | Python | Arduino | C# -basic | Raspberry Pi