

HACK AUBG 4.0

Booklet

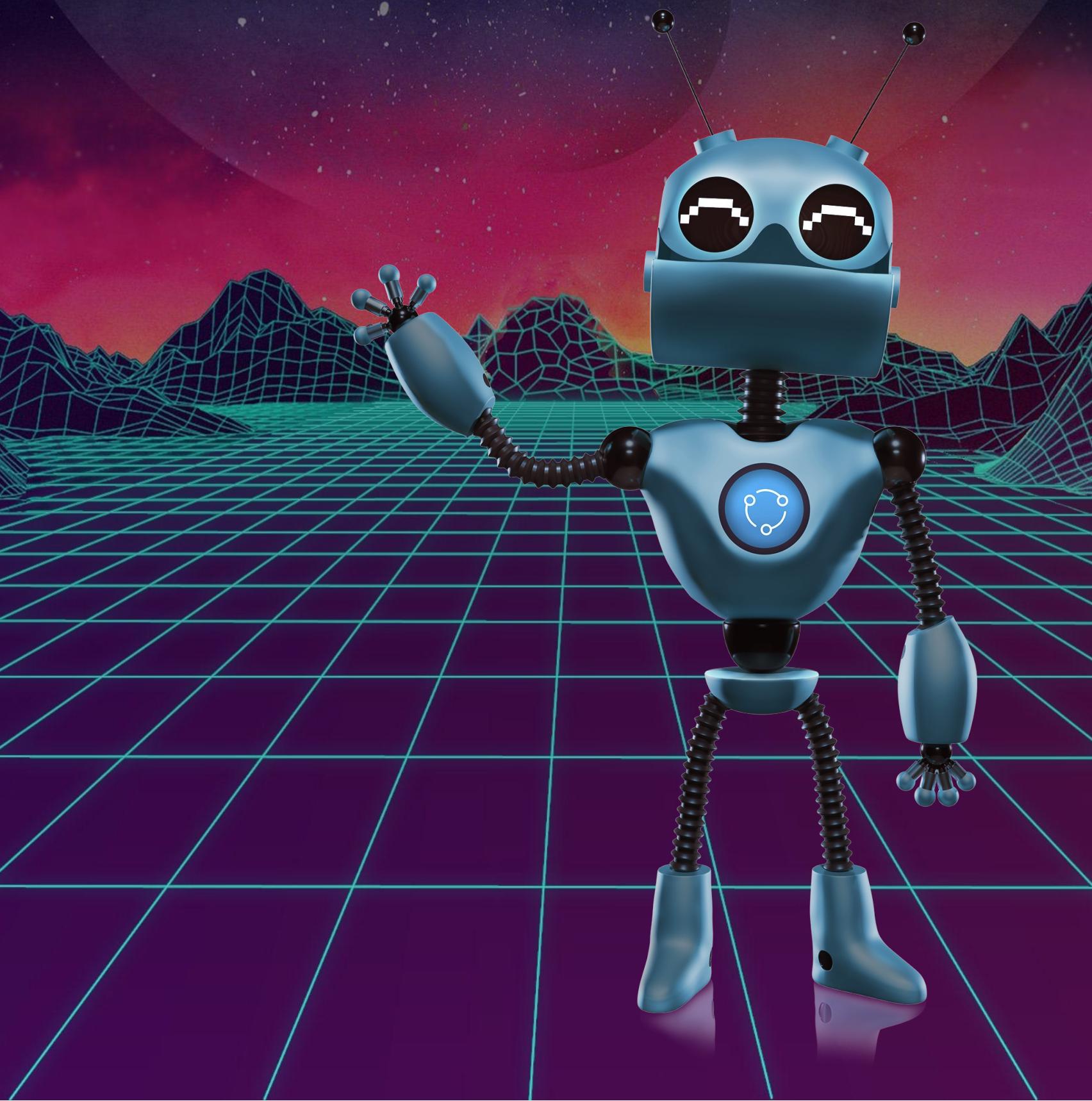


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Schedule

Friday 1st

5:00 PM - Registration and networking

Participants will gather in the sports hall and register for the hackathon during this period. Upon registration, they will receive a badge that will be a sign for the organizing team and university faculty that a participant is part of HackAUBG 4.0

Another essential aspect is networking - members of the event will have the chance to meet and bond with university representatives and other teams.

7:00 PM – Opening Ceremony

The opening ceremony will be held in the ABF theater and will consist of an introduction to the event, it will also introduce our partnering organizations and sponsors. You will also learn who are the mentors and judges.

Then we will quickly go over the schedule of the hackathon and announce the theme of HackAUBG 4.0

8:30 PM – Brainstorming begins

The teams begin the idea generation for their projects - they need to come up with a concept for the product idea, the technologies they will be using, the market opportunity and social benefit of their project.

They do not need to stick to this first plan throughout the competition and are welcome to alter and change it as they like, as long as they do not copy any other teams ideas and projects.

9:30 PM – Team Project Idea Pitches

Each team will have around 1 minute to introduce themselves - names and short background about each team member- where from, where study/work, what is their educational/professional path so far and what is their role in the team. Very short intro for each member.

Then they have 2 minutes to introduce their project idea - product concept, technologies they plan to use, social cause, business strategy and profit realization mechanism. No questions, just presenting.
The order for the pitches will be random and it will be posted in the communication board before the start of the pitches.

10:00 PM – Coding begins

After the team introductions and project pitches finish, the coding begins.

It is mandatory to set up a GitHub repository for your code and to update the content every few hours, especially during the day. Only the mentors and judges will have access to your files.

Saturday 2nd

9:30 AM – Breakfast

After the long night of work, the organizing team will help the participants reenergize by giving them breakfast from our partners and coffee.

11:00 AM – Meet your mentors

The mentors will introduce themselves and talk a little bit about their experience and past involvement in hackathons or just their project development experiences.

The teams have the chance to ask further questions to get to know the mentors and to ask them about their knowledge of specific technologies. The teams should use this as an opportunity to see which mentor can help them the most in developing their projects.

11:30 PM – Mentorship starts

That will be the period during which the mentors and the teams will have the chance to talk and share ideas, knowledge, and advice.

The teams will be able to reserve slots with their mentors beforehand via a spreadsheet that the facilitators will share on the communication board.

01:00 PM – Lunch and HR sessions

The teams will be greeted with a fresh lunch from our sponsors and will have the fantastic opportunity to meet representatives from outstanding companies in the HR booths. Stay tuned for surprises!

02:00 PM – Mentorship and coding continues

During this section of the day, the mentorship sessions will continue, and the teams which already had a session will continue working on their projects.

07:00 PM – Dinner

Once again, our amazing partners will provide the teams with a delicious dinner. That will be a chance for the teams to recover a bit from work and conduct some networking with other participants.

08:00 PM – Coding continues

The teams will return to work and continue developing their ideas and presentations for the next day.

00:00 AM – Energizer Activity

The Hub has prepared interesting surprises and games to make the teams relax and freshen their minds.

Sunday 3rd

9:30 AM – Breakfast

The organizing team will help the participants wake up by providing them with breakfast and coffee.

10:30 AM – Coding

The teams will have the last chance to continue working and preparing the presentations.

01:00 PM – Presentation Submission Deadline

All deliverables need to be sent to The Hub team. The deadline is sharp and teams that do not send it on time will be penalized.

Project Logo and Name, All Code, Project Presentation and Video/Screenshots of Demo should be provided - even if there will be a live demo for the judges.

01:00 PM – Lunch

After the presentations are submitted, the teams will have the chance to eat a delicious lunch before presenting.

02:00 PM – Presentations begin

The presentations will be held in the ABF theatre.

Each team will have 7 minutes to make their presentation (including the live demo) and 3 minutes to answer the judges' questions.

The order for the presentation will be random, and it will be posted in the communication board before the start of the presentations.

03:00 PM – Coffee break

The participants and the judges will be able to relax and refreshen before returning to the theatre for the next dose of presentations.

03:10 PM – Presentations continue

The teams will continue presenting their projects.

04:10 PM – Coffee break

Once again, a chance to refresh before the last project presentations.

04:20 PM to 05:20 PM – Presentations

That will be the last dose of presentations before the award ceremony.

06:30 PM – Award Ceremony

The ceremony will be held in the ABF theater.

The judges will give their ruling and the winning teams projects will be presented!

Project Guidelines

1. Use your own code
2. GitHub Repository - to track progress. Give access before Sunday!
3. Product logo and name
4. Well-structured presentation
5. Use your own code

***no code = no award**

Grading Criteria

20
points

10 points

10 points

10
points

Complexity

Scale: 6 points

Project Interface Design:
3 points

Relevance and simplicity:
8 points

Scalability: 3 points

Project Realization

Completeness: 10 points

Project Idea

Originality: 4 points

Market Research: 4 points

Profitability: 3 points

Presentation

Demo: (5 points for Live, 3
points for just Code)

Handling criticism: 2 points

Clarity: 3 points

Mentors



Georgi Ganchev

Georgi comes from a vast expertise in Machine Learning applications for lead and opportunity scoring, credit risk modeling and forecasting. At Amplify, he has developed custom analytical solutions for retail, utility, medical and financial institutions in Europe, as well as Big Data, lead scoring and macroeconomic modeling projects. Georgi is proactive, goal oriented and capable of using all the available data and tools necessary to obtain actionable business insights. He often acts as a team coach to data science teams with proven team-player skills, encouraging problem solving and enabling critical thinking on approaches.

Gavril Tonev

Gavril (AUBG class of '16) is passionate about building impactful teams and software products in the fields of Cybersecurity, Data Engineering and FinTech. In the past years he has started an international coding academy and co-founded a software company which began on AUBG's campus. He's currently leading teams as an R&D Manager at Carbon Black, VMware's Security Business unit. Fun fact: Gavril is also one of the founders of AUBG's The Hub and a snowboard superstar-wannabe.



Martin Gladanski

Martin has been into software development for about 20 years. He loves to solve problems, help other people solve their problems, turn ideas into reality, and of course, maintain the solutions while supporting everyone around him in every way he can.

Experience key-points in short:

- 3D Rendering (V-Ray for 3ds Max)
- Development of NoSQL backend with SQL frontend for BI analytics in Java and C++
- Parsing and code analysis of mainframe languages (Cobol, ADA, PL/I, etc.)
- Mobile games development and porting (J2ME, Brew, etc.)
- Test automation (backend)
- Game development (rendering, terrain rendering, atmospherics, gameplay)

The main technologies he works with are C/C++ and Java.

Iskren Dimov

15+ years of experience in the IT field - engineering development & people management combined. Web development experience using PHP/Java/JS. DevOps experience using Docker/Puppet/Chef. Last 7 year my focus was mainly on developing people and teams. HackAUBG sounds like an event I don't want to miss, meeting smart people and being part of this event.



Borislav Popov

Senior manager with more than 20 years experience in banking field. Passed through various managerial positions in the areas of Business development, Branch network management, Budgeting and Analyses, Human resources etc. Completed EMBA program in Cotrugli Business School, numerous qualification and certification programs in Bank Management, Business and process efficiency (6 Sigma), Business negotiations, Leadership & Talent development.



Dimitar Glavinkov

Dimitar graduated AUBG with a double major in Computer Science and Economics. He has experience in data engineering processes and working with the Azure cloud platform. As an AUBG alumni he is eager to experience the AUBG spirit again and considers this as an opportunity to give back to the AUBG community.





Dimitar Mitkov

My specialties are outbound sales (cold emails, cold calling, social selling) market researches + identifying ideal client profile (location, industry, size, decision maker's positions and etc), business development, lead generation, negotiations, closing and account management

Anton Gavrailov

Anton Gavrailov has 20 years of experience in the Software development industry and is currently part of the Bianor Services team! He has a lot of experience managing software development teams and his strongest sides reside in project and product management processes. He was involved in several startups directly (Drones, Energy Efficiency, Shopping). He can be of help to the participating teams when it comes to the business side of their projects - product-market fit, idea generation, and validation.



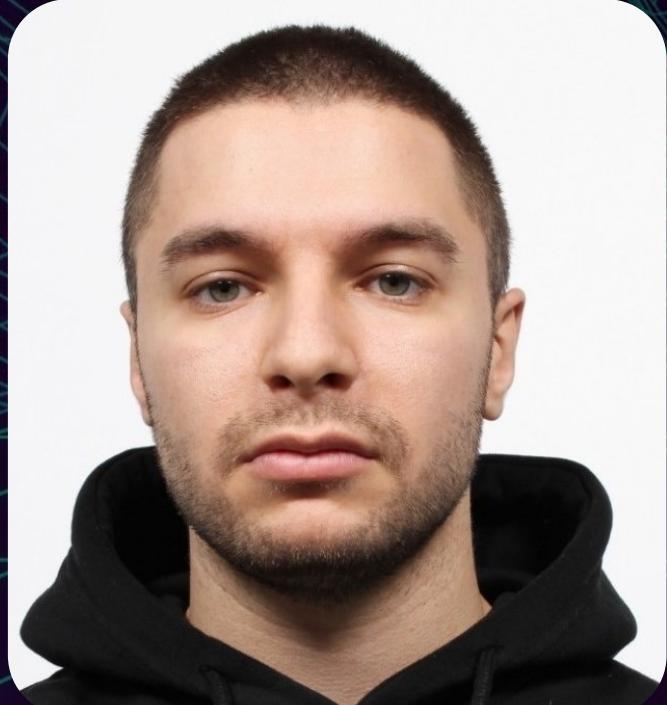
Andri Ivanov

For starters, I'm an Android Developer and that's where my strengths lie. I'm a big advocate for Kotlin as a programming language (not only for mobile development purposes) and would love to help out any of the contestants. I have a couple of years of experience in the field, shortly after graduating AUBG in 2018. I did compete in the first HackAUBG, so I know well that this competition brings great value to the people involved. I'd be happy to see the hackathon continue, thus my reason to join.



Andon Mitev

Andon is experienced Full-Stack Developer and a true professional in Blockchain and Smart Contract Development, specializing in large scope of technologies like Angular, JavaScript, React, nest.js, Solidity, Rust, ipfs, MongoDB and etc. As a team lead to our tech team he is always eager to help other team members by giving them quality advise or simply support them whatever is needed. His never ending energy, dedication and the passion for new experiences are the reason for him to become mentor.



Judges

Anton Stoilov

Anton has over 20 years of experience in academia. Graduated from South-West University with a MSc in Physics and PhD in Engineering and Computer Science. From 2016 is Associate Professor in Electrical engineering, Electronics and Automation. Since 10 years is part from AUBG, last 4 years - chair and co-chair of the Computer science department of AUBG. Anton has managed and participated in a number of international projects in the field of cybersecurity, high-performance computer systems, bioinformatics, renewable energy sources and energy management, robotics, Internet of Things, software development.

Dimitar Kumanov

Dimitar is a back-end technical lead at a disruptive document management startup. He

has extensive experience with building performant, robust and secure server-side applications. Dimitar has lead the team at The Hub through the first 2 years in organizing HackAUBG and building the idea around the event.



Ekaterina Marinova

I have started my career in Microsoft in the Data market in the CEE region, where I was managing the process of matching business and IT with regards to the digital transformation of enterprise customers, public sector and education through innovative data-driven projects.

Today, as Data and Innovation Strategist @ Raiffeisenbank Bulgaria I am focused at the strategic aspect of data and innovation of the digital transformation through which the bank is going. I am also working as Big Data and ML Adjunct Professor @ AUBG, where I am oriented towards the development of more opportunities and the education of more specialists in the data field so that it can grow and data strategy could find its place more comfortably across the business and IT. Furthermore, I am working on my PHD on the topic : Data Philanthropy as Innovation Accelerator for Emerging Markets in the context of smart cities. Finally, I am acting as a Microsoft MVP for AI in the region and share technology interests, trends and lectures on community events.



Georgi Malchev

Georgi has over 25 years of experience in marketing, communications and business development, as well in operations management – as a team lead manager, director, COO. He has as well corporate finance and management consulting experience. He is a mentor at accelerator programs and has been part of several startups.

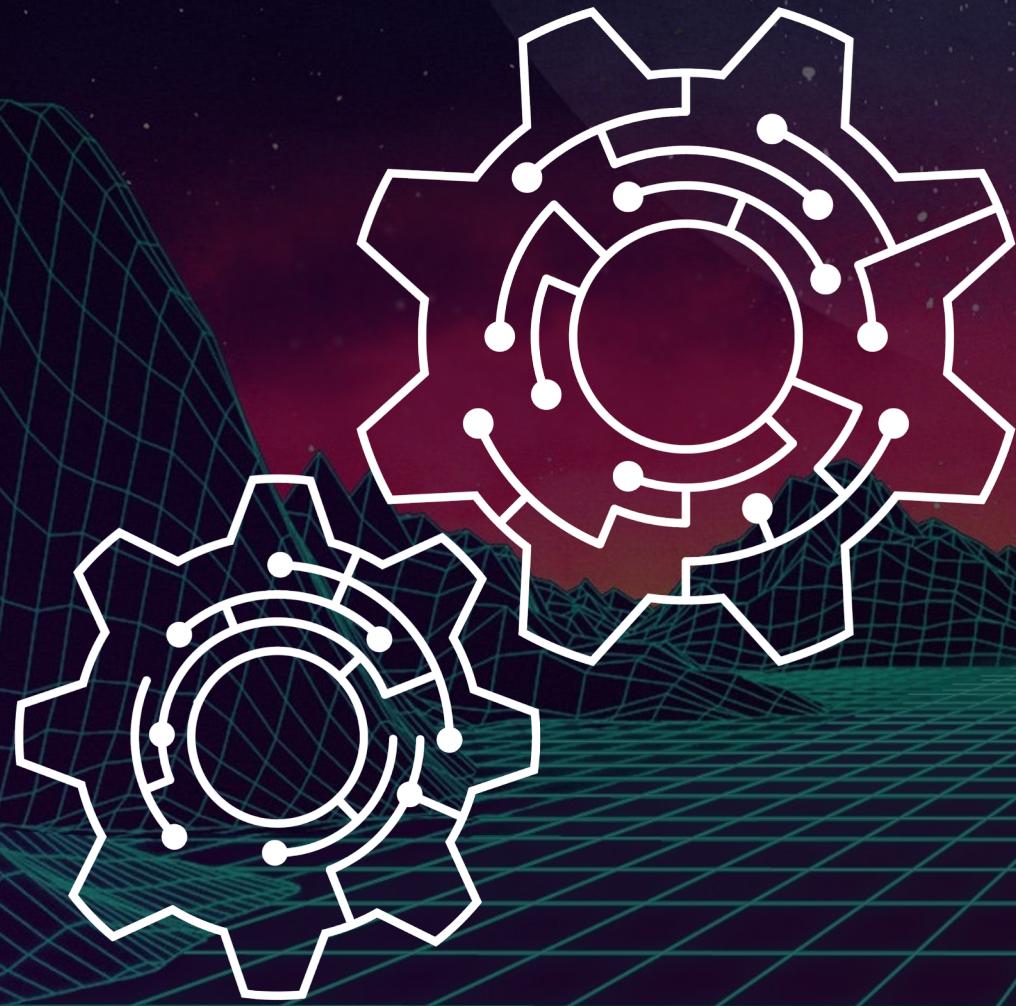
Georgi is Managing Partner of Xplora.bg – one of the leading digital marketing agencies in Bulgaria - over 60 full-time team members. Clients are B2B, B2C, FMCG clients - both leading local and multinational companies. Georgi is also Managing Partner of Xplora Academy – a platform for online video courses and for offline digital marketing trainings. Georgi graduated magna cum laude from the eMBA program at the American University in Bulgaria. Georgi is an active blogger on leadership, personal development, and marketing – www.malchev.net



Milena Manova

Graduated from Sofia University with a bachelor's in Computers Science.

After working in several companies focusing on backend, infrastructure, and private blockchain, Milena got into the web3 space. Currently, she's a co-founder and CTO of SkillWallet - a self-sovereign NFT based identity layer for web3 communities.



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