

# MICHAELLA BRATSA

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Ambitious and dedicated Computer Science undergraduate with a solid foundation in technology and programming. Currently pursuing a Bachelor's degree in Computer Science at the University of Cyprus. Passionate about technology and innovation, I am committed to excelling in my studies and contributing to cutting-edge projects in the tech industry. Eager to bring my skills, knowledge, and enthusiasm to collaborative and forward-thinking teams.

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## EXPERIENCE

### RESEARCH AND DEVELOPMENT (R&D) ENGINEER INTERN

Irrerobot LTD | Nicosia, Cyprus

JUNE 2025 – JULY 2025

As an R&D Engineer, I spearheaded the development of core interactive components for an innovative haptic glove's SDK, leveraging Unity and C#. I designed and implemented a suite of reusable 3D prefabs, including realistic toggle switches and rotational knobs, intended as the foundational building blocks for future immersive VR applications. To achieve high fidelity, I engineered custom solutions from the ground up, programming complex physics-based behaviors and a novel finger-tracking logic that translated user hand movements into precise object manipulation. The project culminated in the integration of these assets into a complete simulation scene, demonstrating their seamless functionality.

### JUNIOR SOFTWARE DEVELOPER INTERN

HF Markets | Larnaca, Cyprus

JUNE 2024 – JULY 2024

Participated in the web and app development team, assisting in the design, development, and maintenance of web applications and mobile solutions. Gained practical experience by contributing to feature implementation, debugging, and code optimization under the guidance of senior developers. Developed technical and collaborative skills while working in a professional environment, meeting project deadlines, and adhering to industry best practices.

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## EDUCATION

### BACHELOR OF SCIENCE IN COMPUTER SCIENCE

University of Cyprus | Nicosia, Cyprus

SEPTEMBER 2022 – PRESENT

- Signifies a significant milestone in educational and professional development.
- Excited to delve deeper into Computer Science and explore new dimensions of knowledge.
- Member of Cyprus Computer Society

### HIGH SCHOOL DIPLOMA (APOLYTIRION CERTIFICATE)

Aradippou Lyceum "Tasos Mitsopoulos" | Larnaca, Cyprus

SEPTEMBER 2019 – JUNE 2022

- Exceptional academic record throughout Lyceum years.
  - Graduated with a remarkable overall GPA of 19.44 out of 20.
  - Specialized in Mathematics, Computer Science, Biology and Physics in the final year.
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- Achieved perfect scores of 20 out of 20 in Mathematics and Computer Science.
  - General score of 18.80 out of 20 in nationwide entrance examinations (Pancyprian Examinations).
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## SEMINARS

- Artificial Intelligence developments and perspectives in the academic environment.
  - XR for education - Online Workshop
  - Introduction into Computer Vision
  - Smart City Waste Management System using IoT
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## SKILLS

- Programming Languages  
Java, C/C++, Python
  - Web Development  
HTML, CSS, JavaScript, NodeJS
  - Database Management  
MS SQL Server, SQL, Firebase
  - DevOps and Version Control  
Jenkins, Git, GitHub, GitLab
  - Game Development  
Unity, C#, OpenGL, OpenXR, Hands Interaction Toolkit
  - Operating Systems & Networking  
Microsoft Windows, Linux/Unix, Wireshark
  - Languages  
Greek (Native), English (B2+ Certificate-English for Computer Science)
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## PUBLICATIONS

- Overview of AI and Machine Learning in Healthcare ([researchgate.net](https://www.researchgate.net))
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## VOLUNTEERING

Actively participated in the initiative "*Because if the child is saved, there is hope*" launched in 2022. This impactful action compiled 365 thoughts on children by notable figures from Cyprus, Greece, and abroad into a collectible 2023 calendar. The initiative successfully raised over €30,000, with €22,000 donated to the independent international humanitarian organization, *Hope for Children CRC Policy Center*.

More about: [Hope For Children](#)  
[AlphaNews.Live](#)

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