

MICHAELLA BRATSA

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[Michaella Bratsa | Computer Science Student](#)
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Computer Science undergraduate at the University of Cyprus with strong foundations in algorithms, data structures, and software engineering. Background in competitive programming and research-oriented development. Academic interests include computational problem solving, human-centered systems, and applied computing in healthcare-related domains.

EXPERIENCE

RESEARCH AND DEVELOPMENT (R&D) ENGINEER INTERN

Irerobot LTD | Nicosia, Cyprus

JUNE 2025 – JULY 2025

- Implemented core interactive components for a haptic glove SDK using Unity and C#, including reusable 3D prefabs, physics-based interaction, and finger-tracking logic
- Integrated components into a complete interactive simulation environment (VR) for validation and demonstration

JUNIOR SOFTWARE DEVELOPER INTERN

HF Markets | Larnaca, Cyprus

JUNE 2024 – JULY 2024

- Contributed to the development and maintenance of web and mobile applications
 - Assisted with feature implementation, debugging, and code optimization in a team environment
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EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

University of Cyprus | Nicosia, Cyprus

SEPTEMBER 2022 - JUNE 2026^(expected)

- Overall GPA: 7.56 / 10
- Relevant coursework: Data Structures, Algorithms, Discrete Mathematics, Operating Systems, Computer Graphics, Software Engineering, Mobile Computing & Applications, Human-Computer Interaction
- Member of Cyprus Computer Society

HIGH SCHOOL DIPLOMA (APOLYTIRION CERTIFICATE)

Aradippou Lyceum "Tasos Mitsopoulos" | Larnaca, Cyprus

SEPTEMBER 2019 - JUNE 2022

- Overall GPA: 19.44 / 20
 - Perfect scores (20 / 20) in Mathematics and Computer Science
 - Advanced coursework in Biology (enhanced track)
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ACHIEVEMENTS

- Competed in the International Collegiate Programming Contest (ICPC) Cyprus & Greece Regional Contest
 - Qualified for the Southwestern Europe ICPC Regional Contest
 - Represented the University of Cyprus as a member of a three-person team
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SKILLS

- Programming Languages
Java, C/C++, Python
 - Web Development
HTML, CSS, JavaScript, REST APIs
 - App Development
Android Studio
 - Database Management
Relational Databases (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 (IELTS, B2+ Certificate-English for Computer Science)
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PUBLICATIONS

- Overview of AI and Machine Learning in Healthcare — ResearchGate (undergraduate publication)
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VOLUNTEERING

- Participated in the 2022 initiative “Because if the child is saved, there is hope” contributing to a charity project that raised over €30,000 for child welfare organizations.
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