Christos Gunopulos

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Education

The Moraitis School — Athens, Greece
High School (2024-now), Middle School (2021-2024), Elementary (2015-2021) — *Sept. 2015 – now*

Oak Knoll School — Menlo Park, CA, USA
Elementary School — *Aug. 2014 – May 2015*

Awards & Academic Achievements

Best Demo Award, 27th IEEE Mobile Data Management Conference, June 29th - July 2nd 2026, Athens, Greece `http://mdm-2026.github.io/award.html#main`
Research publication at the 20th International Workshop SSTDM 2025, co-located with IEEE ICDM 2025
Distinctions in the Greek Olympiad in Artificial Intelligence (2024–2025, 2025–2026), organized by the ATHENA Research Center, the Hellenic Artificial Intelligence Society, the Greek Computer Society and the Institute of Educational Policy: advanced to the final round and selected to attend the National Informatics Training Camp at the National Technical University of Athens for the preparation of the Greek national team; topics include machine learning algorithms, classification, Colab and Python programming
Distinctions in the 37th and 38th Panhellenic Informatics Competitions (2024–2025, 2025–2026) organized by the Greek Computer Society: advanced through two competitive phases to reach the finals of Greece's national programming competition; topics include algorithmic thinking, complex data types, `C++` and Java programming
Thales Distinction, Panhellenic Mathematics Competition, Greece, Issued by Hellenic Mathematical Society (2023-2024) (Awarded for outstanding performance in national mathematics competition)
Pythagoras Awards, Panhellenic Mathematics Competition, Greece, Issued by Hellenic Mathematical Society, Years 2024, 2023, 2022, 2021 (Awarded for outstanding performance in national mathematics competition)
Distinction in Physics, "Aristotelis" National Physics Competition, Greece, Issued by Hellenic Physics Society (2024)
Honor's List, Moraitis School. (Awarded for maintaining above 18/20 GPA, Grade 10)
First Place, Brains and Games International Design Fiction Competition, Brains@Play, University of Southern California (USC) (January 2021) `https://www.youtube.com/watch?v=Ga486Azmc0s`
First Place, "Brains and Games Greece", organized by 10th Greek Computing at School Festival (2021)
Silver Medal, Junior Varsity Private School Basketball League, Moraitis School (2023–2024)
Bronze Medal, U14 ESKA Basketball Championship (2022–2023). Competed with Panerythraikos B.C. in the U14 ESKA League (biggest basketball conference in Greece)

Publications

- "The CoDiet Messaging App: A Mobile App for Transmitting Personalized Dietary Event Alerts", Michail Tsenos, Christos Gunopulos, Vana Kalogeraki, Demo at The 27th IEEE International Conference on Mobile Data Management (MDM), June 29th - July 2nd 2026, Athens, Greece (**Best Demo Award**) . `https://ieeexplore.ieee.org/document/11619272`

- "Understanding NBA Team Formations and Plays", Christos Gunopulos, Evimaria Terzi, 20th International Workshop on Spatial and Spatiotemporal Data Mining (SSTDM-2025), co-located with 2025 IEEE International Conference on Data Mining, Nov 2025, Washington, DC, USA, pages 2179-2184, `https://ieeexplore.ieee.org/document/11415843`

Work Experience

Internship — Aug 16 - Sept 11, 2026, 4 weeks
TWIN NET — *Athens, Greece*

- Identified and selected web APIs for a new tourist-oriented application; developed rules for data deduplication and for the handling of missing values; set up a database to store and manage the cleaned data.

Internship — 13 - 17 July, 2026
IBM — *Athens, Greece*

- Completed a series of professional courses, analyzed a complex simulated business operation and developed a technical solution using software tools to monitor and report new hire performance.

Research Internship July 2025

Boston University *Boston, Massachusetts, USA*

- Mentor: Prof. Evimaria Terzi. Published a paper: "Understanding NBA Team Formations and Plays", Christos Gunopulos, Evimaria Terzi, 20th International Workshop on Spatial and Spatiotemporal Data Mining (SSTDM-2025), co-located with 2025 IEEE International Conference on Data Mining, Nov 2025, Washington, DC, USA, pages 2179-2184
- Explored machine learning methods to improve our understanding of aspects of the game of basketball. Presented a novel approach to modeling team interactions in time and space.
- Developed my methods in Python to illustrate the benefits of my approach. Shared code in the GitHub community
- Used the public NBA movement data of https://github.com/sealneaward/nba-movement-data, which includes SportVU movement tracking data.
- Continued working until submission of paper on Sept. 8, 2025. Presented virtually the paper on Nov. 12, 2025. `https://stac-lab.github.io/sstdm25/program/`

Short-term Rental Luxury Property co-Host July 2023 – Oct 2025 (seasonal)

Velvet Sense *Chania, Greece*

- Managed reservations and availability across platforms (Airbnb, Booking), coordinated pricing, calendar synchronization, website co-creator (design and maintenance), welcomed guests

Projects

The Buddy App | *Java, Android Development* June 2026 – Present

- Currently working on an application matching students with mentors. The application allows students to post requests for specific help and matches them to available mentors using an algorithm to find mentors that are qualified and available.

CoDiet Mobile App | *Java, Android Development* January 2026 – August 2026

- Built the Spanish version of a messaging app that delivers real-time alerts to users regarding their food intakes. The app is available on the Apple iOS and Android platforms. The app is currently used in an international research project and has 900+ registered users.
- Translated and localized the app interface text from English to Spanish, maintaining consistency in terminology and improving accessibility for Spanish-speaking users.

NBA Team Formation & Spatiotemporal Analysis | *Python, Git* June 2025 – Nov 2025

- Explored machine learning methods to improve our understanding of aspects of the game of basketball. In particular, presented a novel approach to modeling team interactions in time and space.
- Developed my methods in Python to illustrate the benefits of my approach.
- Used the public NBA movement data of https://github.com/sealneaward/nba-movement-data, which includes SportVU movement tracking data.

Battleship Game | *Java, Javascript, Git* Sept. 2024 – June 2025

- Designed and developed a responsive, interactive Battleship game featuring classic naval combat gameplay. Engineered robust game state management, dynamic grid rendering, and an intelligent AI opponent logic.

Extracurricular Activities

Competitive Basketball | *Panerythraikos BC, Moraitis School, Kifisia BC* 2015 – present

- Competed in Greece's biggest basketball conference, ESKA Basketball League, for U14, U15, and U16, contributing to team leadership, performance, and competition success.
  - Year 2022 - 2023: **Bronze Medal** in the U14 ESKA Championship in 2022-2023.
  - Year 2023 - 2024: Reached **Final 8** in the U15 ESKA Championship in 2023-2024.
  - Year 2024 - 2025: Played in the top level A1 U16 ESKA league in 2024-2025.
- **Silver Medal,** Private School League, Moraitis School, 2023-2024.
- Competed in basketball tournaments around Greece (Athens, Halkida, Thessaloniki)

Shotokan Karate | *Triantafyllis Kifissia North Team* 2015 – 2018

- Martial Arts: Green Belt in Shotokan Karate
- Shotokan Cup, **Won 3rd place** (2017)

Violin 2014 – present

- ABRSM - The Associated Board of the Royal Schools of Music Inc, Grade 4.
- Performed in various recitals.

Private Tutor, Computer Science 2024 – present

- Tutored 4 high school students in Java, algorithms and problem-solving through individual sessions.

Courses Taken & Professional Development

IBM SkillsBuild | *IBM* July 2026

- **Completed a series of professional courses:** (1) Interpersonal and Workplace Communication, (2) Collaboration and Team Dynamics, (3) Enterprise Design Thinking Practitioner, (4) Foundations in Generative AI, (5) Effective Presentation and Communication.

National Machine Learning Training Camp | *NTUA* June 2025

- **Invited in a Machine Learning summer training camp** organized by the Hellenic Artificial Intelligence Society and National Technical University of Athens, where the participants were prepared for the national team selection, due to my distinction in the earlier phases of the National Artificial Intelligence competition.

Animation 101 | *USC Shaukat Initiative* Fall 2021

- Invited by the Shaukat Initiative after winning the Brains and Games International Design Fiction Competition. Completed a 8-week course covering visual storytelling, digital tools, and creative collaboration. Course was for 9-12th grades, attended as 7-th grader.

Volunteering

- Student Volunteer at 27th IEEE Mobile Data Management Conference, Athens, Greece (MDM 2026), June 2026
- Student Volunteer for Moraitis IB freshmen (Feb 2026)
- Student Volunteer, Spanish Bake Sale (Nov 2025)
- Student Volunteer at the 19th European Conference on Computer Systems (EuroSys 2024), Apr 2024
- Student Volunteer at the 5th Summit on Gender Equality in Computing (GEC 2023), June 2023

Skills & Interests

Languages: English (Native), Greek (Native), German (A2, 6 years of study), Spanish (Elementary proficiency)
Programming: Java, Python, SQL (Postgres), JavaScript, HTML/CSS
Technologies: Android Development, Scratch, Visual Studio
Certifications Skills: Violin (ABRSM - The Associated Board of the Royal Schools of Music Inc, Grade 4)
Other Skills: Public speaking, Teamwork, Time management
Interests: History and Cinematography (focusing on the history of US, French wars, and Modern History, participated in Moraitis club), Astrophysics (participates in Moraitis Astrophysics club), Music, Sports, Playing basketball pick-up games, Swimming and water sports, SAP rowing