

EDUCATION

University of Pennsylvania

Philadelphia, PA

BSE in Computer Science

Aug 2022 - May 2026

- Relevant coursework: Programming Languages and Techniques, Engineering: Energy, Environment, and Sustainability, Calculus II, Discrete Mathematics, Microeconomics
- Board Member of Women in Computer Science, Member of Society of Women Engineers

Council of Europe "Artificial Intelligence" study session

Budapest, Hungary

- Panels and talks: AI and Ethics, AI Algorithms and EU Regulations, AI Political Landscape *June 2023*

EXPERIENCE

BlueQubit

Yerevan, Armenia

Quantum Computing Fellow

July 2023 – Aug 2023

- Implemented quantum circuits, representing qubit states, and single-qubit gates through hands-on labs using Qiskit, and using BlueQubit's software.
- Participated in 15 lectures through the program and pursued self-learning topics, including Shor's Algorithm, Quantum transformation, and quantum encryption

DataPoint Armenia

Yerevan, Armenia

Data Science Fellow

Jun 2022 – Aug 2022

- Implemented customer segmentation task through unsupervised learning models such as DB-Scan, K-means, Affinity propagation on big data
- Cooperated with Coinstats executives to share the vision and the mission of the project
- Developed skills further through 20 active learning and 10 hands-on mentorship sessions

Girlopolis NPO

Yerevan, Armenia

Founder

Dec 2020 – Aug 2022

Mission: Encouraging Armenian girls to pursue careers in STEM and business fields

- Organized 3 hackathons (with over 480 participants), 5 meetups, won 5 grants, and raised \$4500
- Brought together a team of 10 prior executives and 20 volunteers at the age of 16

Barcelona International Youth Science Challenge program

Barcelona, Spain

Student Researcher

July 2021 – July 2021

- Implemented "Can computers do math? An approach through axiomatic geometry" project in the Department of Mathematics at Autonomous University of Barcelona (UAB)

PROJECTS

NLP Classification Task: Sarcasm Detection

Advised by Microsoft employee Shahbaz Mogal

June 2021 – July 2021

- Implemented Natural Language Processing model that can detect sarcasm in any language
- Used Neural Networks, Pytorch, concepts like loss, back-propagation, standard NLP workflow (tokenization, POS tagging, etc.) and tested the model

Image Morphing

Project during Princeton alumni Narek Galstyan's Lab

Apr 2020 – May 2020

- Used JavaScript, HTML, and CSS to build a little version of Photoshop
- Implemented Image Morphing

SKILLS

- **Technical** - Python; Java; JavaScript; Git; GitHub; Node JS; PHP; SQL; Reach Native; MATLAB and Simulink; Lean; Pico-8; Unity; Processing; Figma
- **Soft skills** - Management, problem solving, Armenian (Native), English (Fluent), Russian (Fluent)

HONORS AND AWARDS

- *1000 girls, 1000 futures 2021*, Out of 1000 girls from all over the world, Best Mentee
- *Yale Young Global Scholars 2022*, Merit-based scholarship award for the science and technology program