

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

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)

"All In" group

Yerevan, Armenia

BackEnd developer intern

Oct 2020 – Jan 2021

- Implemented back-end of the website with Django and Flask and created interactive Telegram chatbots

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; React 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
- *Sona Mnatsakanyan Female Talent Scholarship 2022*, Merit-based scholarship for my education
- *Yale Young Global Scholars 2022*, Merit-based scholarship award for the science and technology program