

## EDUCATION

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### 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, EU Regulations on AI products, AI Political Landscape *June 2023*

## EXPERIENCE

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### 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

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### 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

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- **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

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- *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 at YYGS