Ani Petrosyan

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EDUCATION

University of Pennsylvania — Philadelphia, PA
BSE in Computer Science — *Aug 2022 - May 2026*
- Relevant coursework: Computer Programming, Intro to Engineering, Calculus III, Microeconomics, Discrete Mathematics, Negotiations and Decisions (Wharton School of Business)
- Board Member of Women in Computer Science, VP of Wharton Consulting Club, Member of Society of Women Engineers, Member of Wharton Venture Lab

EXPERIENCE

DataPoint Armenia — Yerevan, Armenia
Data Science Fellow — *Jun 2022 – Aug 2022*
- Built a customer segmentation task through unsupervised learning models (DB-Scan, K-means, Affinity propagation) on big data
- Cooperated with Coinstats Inc 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 led a group of 20 volunteers at the age of 16

Barcelona International Youth Science Challenge program — Barcelona, Spain
Student Researcher — *July 2021 – July 2021*
- Completed the "Can computers do math? An approach through axiomatic geometry" research project in the Department of Mathematics at Autonomous University of Barcelona (UAB)

"All In" Group — Yerevan, Armenia
Back-end Developer Intern — *Oct 2020 – Jan 2021*
- Implemented the website backend with Django and Flask
- Created interactive Telegram chatbots

PROJECTS

NLP Classification Task: Sarcasm Detection
Advised by Microsoft employee Shahbaz Mogal — *June 2021 – July 2021*
- Designed and trained a 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 achieved 90% accuracy on test

Image Morphing
Project during Princeton alumni Narek Galstyan's Lab — *Apr 2020 – May 2020*
- Built a small version of Photoshop using JavaScript, HTML, and CSS
- 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, Time Management, Armenian (Native), English (Fluent), Russian (Fluent)

HONORS AND AWARDS

- ***1000 girls, 1000 futures 2021***, Best Mentee out of 1000 girls from all over the world
- ***Sona Mnatsakanyan Female Talent Scholarship 2022,*** Merit-based scholarship for my education
- ***Yale Young Global Scholars 2022***, Merit-based scholarship award for the STEM program at YYGS
- ***Justice Accelerator 2020,*** Merit-based scholarship for FizzBuzz summer school