ELENE BARBAKADZE

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EDUCATION

Pomona College – Claremont, California. || 3.9 GPA   *2023-2027*
Major: B.A. Cognitive Science, Concentration in Computer Science & Artificial Intelligence, Minor: English
- **Recent Courses:** Stats and Experimental Design, Macroeconomics, Cognitive Neuroscience, CS with topics in AI.

Tbilisi Public School №199 of Physics and Mathematics || 4.0 GPA; SAT: 1570 (770 Verbal, 800 Math)   *2017-2023*

WORK EXPERIENCE

Ernst & Young (EY)   **Tbilisi, Georgia**
Summer Consulting Intern   *June 2025-July 2025*
- Conducted quantitative policy research for UN SDGs 10 & 17, structuring large datasets, synthesising 200+ indicators, and interpreting cross-regional economic trends into concise, data-driven reports for EY's national development publication.
- Collaborated with cross-functional teams to design strategic proposals, including initiatives to increase women's participation in technical roles; refined materials based on client interviews to align with organizational priorities.
- Supported cross-border advisory projects for European institutions including the UN, EBRD, and ADB, conducting comparative economic research and drafting financial and policy analyses for regional tenders across Georgia, Armenia, and Azerbaijan; integrated statistical benchmarks, economic forecasting, and compliance criteria with European funding frameworks to inform sustainable growth initiatives.
- Collaborated with IT, cybersecurity advisory teams to design structured methodologies, produce executive-level materials, and deliver strategic presentations for senior stakeholders and international partners.
- Applied AI-driven research tools to automate data extraction, pattern recognition, and trend analysis across multi-source datasets, improving analytical depth, insight generation, and overall report turnaround by 30%.

Anova   **Tbilisi, Georgia**
Market Research Intern   *June 2024-July 2024*
- Cleaned, wrangled, and modelled large-scale market datasets in R using tidyverse, SPSS and Python, performing regression and cluster analyses; developed data visualizations and dashboards that clarified insights for senior stakeholders and informed strategic pricing decisions.
- Developed survey instruments to gather targeted market insights, conducting iterative testing to ensure clarity and relevance, then transformed results into structured presentations with clear visualizations and actionable recommendations tailored to client needs.
- Coded and quantified 30+ stakeholder interviews, integrating qualitative themes with quantitative survey data to surface hidden drivers of customer behavior and propose growth opportunities.
- Received return offer and recognition from senior leadership for analytical rigor, precision, and clarity of deliverables.

Pomona College   **Los Angeles, CA**
Language Consultant   *January 2023-May 2024*
- Guided 10 students in structured analysis of Georgian syntax, morphology, and semantics, applying frameworks to independent research.
- Enhanced understanding of Georgian language and culture through tailored explanations, contributing to the course's repeated offering.
- Led weekly small-group discussions to interpret linguistic datasets, improving collaborative problem-solving and data-driven reasoning.

IVY Bakery   **Tbilisi, Georgia**
Founder   *April 2023-December 2023*
- Founded and managed small business operations, producing 100+ artisan cakes and generating $1,000+ while ensuring consistent quality.
- Built financial models to allocate limited capital across inventory, pricing, and logistics, reducing waste by 25% while maintaining margins.
- Designed standardized workflows and trained 3-person team, improving delivery reliability and production mistakes by an estimated 20–30%.
- Developed data-driven marketing strategy by tracking engagement metrics, increasing customer base by 300% in 6 month.

LEADERSHIP, VOLUNTEERING & PROJECTS

Data Science Portfolio Website (RStudio / Quarto HTML):   https://elenebarbakadze.github.io/   *2025*
- Developed interactive website demonstrating data-wrangling, visualisation, and statistical analysis skills using R, ggplot2, and tidyverse packages; includes project showcases and résumé integration.

"Kuda" Forest clean-up event: Organizer   *2018-2024*
- Organized an annual local forest clean-up with thirty community members; Handled outreach, logistics, and safety protocols;

Diversity Club: President   *2021-2022*
- Founded and led an Equality & Diversity Club, organizing events and guest talks on gender and social issues for fifteen active members.

Hospice Peristsvaleba: Senior Companion   *2021-2022*
- Offered companionship to terminally ill seniors through conversation, storytelling, and discussions to reduce loneliness.

SKILLS

- **Languages :** Georgian (Native), English (Fluent), Russian (Fluent), German (Proficient), Spanish (Basic)
- **IT**: Office Package (Word, Excel, PowerPoint), R, Python(data analysis, web scraping, neural networks), SQL, Adobe Premiere Pro, SPSS.
- **Interests**: Camping in U.S. and Georgian national parks (e.g. Grand Canyon, Sequoia), yoga, running, frequent blood donor, film photography (published in Georgian online magazine Indigo)