Peter H. Vartanian

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EDUCATION

California Institute of Technology, Pasadena, CA   *Completed in 05/2025*

Co-operative Program (Master's and doctoral coursework), Interdisciplinary Studies Program

- **GPA**: 4.00/4.00

- **Selected Coursework**: "Understanding China through Finance," "Competitive Strategy," "Analyzing Congress," "A History of Budgetary Politics in the United States (Parts I and II)"

Occidental College, Los Angeles, CA   *Completed in 05/2025*

*Bachelor of Arts with Honors. **Subject**: Diplomacy & World Affairs (**Modification** in Comparative Studies in Literature & Culture)*

- **GPA**: 3.97/4.00; Summa Cum Laude

- **Thesis**: "On the Geopolitical Economy of U.S.–Allied Transformer Scarcity, 2023–26"

- **Selected Coursework**: "Conservative Political Thought," "Lobbying and Advocacy," "American Intelligence and National Security," "Interest Group Politics"

- John Parke Young 1917 Prize (for the best thesis and highest-achieving student in Diplomacy & World Affairs)

- Walter B. Gerken Honors Fellow in Public Policy (for research on China's geopolitics of energy)

- Junior Fellow in the Phi Beta Kappa Society (ΦBK)

AWARDS & HONORS

- Kurt Hauser Family Summer Policy Scholar and Director's Awardee at the Hoover Institution   *10/2025*
- Research Mentor's Endowment Fellow at the Ford Foundation   *12/2024–05/2025*
- Albert O. Hirschman *Young Geoeconomist* of the Helsinki Geoeconomics Society   *04/2025*
- Finalist for the *James C. Gaither Junior Fellowship* at the Carnegie Endowment for International Peace   *04/2025*
- U.S. Benjamin A. Gilman International Scholar & Critical Language Scholar (in South Korea)   *12/2023*

SKILLS

Languages: [ILR 5] English, German; [ILR 4] French, Portuguese, Spanish; [ILR 3] Russian, Turkish; [ILR 2+] Mandarin Chinese; [ILR 2] Armenian, Japanese, Korean

Technical: Python ([data] pandas, NumPy, NetworkX; [web scraping] scikit-learn, BeautifulSoup, Scrapy, spaCy, NLTK; [visualization] matplotlib, plotly — built 3 research databases processing 100,000+ records with NLP text analysis); R; Stata; SQL; Palantir (Gotham, Foundry); FactSet; PitchBook; Bloomberg Terminal; LexisNexis; Factiva; OSINT (Bellingcat toolkit); QGIS; Tableau; Airtable; Notion; LaTeX; Microsoft Office (Excel, PowerPoint, Word).

SELECTED EXPERIENCE

GéoPoly Global | New York, NY

Staff Analyst & Expert   *09/2025–Current*

- Author 8 "dispatches" and white papers for UN member-state delegations and Fortune 500 clients on U.S.–China semiconductor export controls, EU AI Act Article 5 compliance gaps, and critical-minerals leverage.

- Conduct primary-source research across 15 jurisdictions; maintain live tracking and reference database of 200+ dual-use regulations across MOFCOM, BIS, METI, and EU Commission using Chinese, Russian, and Arabic primary sources; brief clients on enforcement patterns within 48 hours of publication.

Nuclear Threat Initiative | Washington, D.C.

FutureSafe Research Assistant to U/S Dr. Dimitri Kusnezov   *06/2025–08/2025*

- Authored a white paper for NTI's *Science and Technology Advisory Group* on AI safety verification régimes, emerging dual-use biotechnology risks, and nuclear-security investment priorities in the Indo-Pacific.
- Evaluated 25 AI startups ($2.5M portfolio) using PitchBook, Crunchbase, and technical due diligence for prospective investments in compute governance, cyber-physical safety, and biosecurity monitoring platforms.
- Coordinated an "Innovation Forum" with Google ex-CEO Eric Schmidt and Directors of LLNL; orchestrated logistics, drafted executive summaries, and synthesized findings on dual-use landscapes in Qs 3 and 4 of 2025.

Harvard Business School | Cambridge, MA (Hybrid)

Gordon Donaldson Research Fellow to Dr. James K. Sebenius   *01/2025–05/2025*

- Assessed geo-political and geo-regulatory risk for 30 dual-use technology firms (in quantum computing, satellite imaging, and advanced materials) with aggregate valuation exceeding $15B; briefed business-development partners on CFIUS exposure and PRC market-access constraints.
- Prepared case studies on defense-prime M&A and negotiations for MBA students and visiting executives; coordinated interviews with ten corporate development officers on national-security transaction structuring.
- Produced a 15-page regulatory-impact assessment quantifying 15-to-20-percent valuation haircuts from CFIUS mitigation, Entity List exposure, and PRC retaliation scenarios; analysis incorporated into Dr. Sebenius' executive-education curriculum within his "Negotiation, Organizations & Markets" Unit.

United Nations | New York, NY

Policy Advisor to H.E. Amb. Maritza Chan-Valverde   *08/2024–12/2024*

- Drafted 18 speeches for the Chair of the General Assembly's First Committee on anti-microbial resistance, autonomous weapons, nuclear non-proliferation, and the geopolitics of artificial general intelligence; integrated positions from 193 member states under 24–48-hour deadlines for Ambassadorial delivery.
- Built a Python scraper and Tableau dashboard analyzing 500+ disarmament votes by delegation, treaty régime, and ideological bloc; spearheaded continued usage by the Office of the Chair to forecast coalition dynamics and guide negotiation strategy across a twelve-week session (the UNGA's 79th session).
- Delivered weekly briefings on Russia–China–Global South alignment patterns, Western bloc fragmentation on emerging technologies, and swing-state positioning, informing vote-whipping strategy on seven resolutions.

Bureau of Industry and Security, U.S. Department of Commerce | Washington, D.C. (Hybrid)

Honors Intern under D.A.S. Kevin J. Kurland   *09/2023–05/2024*

- Designed "smart" tiered export-control tiers based on floating-point operations per second (FLOPs) and neural network training performance, distinguishing between $<10^{23}$ FLOP systems (baseline controls), 10^{23}-10^{26} FLOP systems (enhanced controls), and $>10^{26}$ FLOP systems (presumption of denial).
- Identified 25 midstream chokepoints ([I] Bayan Obo–Baotou rare-earth corridor, [ii] Freiberg gallium smelter, and [iii] ASML lithography monopoly); informed Entity List proposals and SBIR funding priorities.
- Built reproducible Python/SQL workflows consumed by stakeholders in the DoD-DIA and State-INR.
- **Honors**: Independently twice cited by the Robertson Foundation for Government as "Intern of the Year."

Office of the Director, McKinnon Center for Global Affairs | Los Angeles, CA

Special Assistant to Ambassador Derek N. Shearer   *08/2022–05/2024*

- Co-taught two proseminars (on "Biden Foreign Policy") with the former U.S. Ambassador to Finland.
- Coordinated 8 engagements with U.S. embassies (Austria, Australia, and the UK), CIA-DA, DoS-INR and Policy Planning Staff, as well as CSIS, CNAS, and AEI scholars by managing logistics and follow-up.
- Designed two policy laboratories, four simulations, and one war-game on U.S. alliance management; tracked deliverables, guest contacts, and program outcomes across 4 concurrent initiatives of the McKinnon Center.