

Lucas Liona

Computer Science and Applied Mathematics student and U.S. Department of State Gilman Scholar. Seeking machine learning, software, or infrastructure engineering roles.

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SKILLS

Languages	Python, C++, C, TypeScript, JavaScript, Rust, Go, R, SQL
ML / Data	PyTorch, PyTorch Geometric, Scikit-learn, Pandas, NumPy, PySpark, PyMC, LLMs / Generative AI
Infrastructure	Docker, Terraform, Ansible, Linux, Proxmox, Git, FastAPI, React, PostgreSQL

EDUCATION

Rutgers University, Camden	Sep 2022 – Expected Jan 2027
<i>B.S. Computer Science, B.S. Applied Mathematics</i>	Camden Honors College
Gilman Scholar — U.S. Dept. of State competitive federal scholarship	2026
Chancellor's Student Research Grant — \$8,000 competitive award for independent research	2025
Dean's List — Rutgers University, Camden (5 semesters)	2023–2026
Pi Mu Epsilon — national mathematics honor society, unanimous faculty vote	2025
Distinguished Achievement Scholarship — \$7,500 annually for academic excellence	2022–2026

EXPERIENCE

Machine Learning Intern	May – Jul 2026
<i>U.S. Dept. of State Gilman Scholar placement · production generative-AI system</i>	Prague, Czech Republic
▸ Employer and project details are under NDA and appear in the version I send to employers directly.	

Aramark — Industry Capstone	Apr – May 2026
<i>Recommendation Systems · presented to company executives</i>	Camden, NJ
▸ Built a hybrid collaborative-filtering recommender (SVD, log-SVD, Implicit ALS), reaching 87× the recall of a random baseline.	
▸ Recovered brand structure with no labels in training, showing the latent space captured real relationships.	

President, Association for Computing Machinery (ACM)	Feb 2024 – May 2026
<i>Rutgers University</i>	Camden, NJ
▸ Directed HackRUC, an MLH-sanctioned hackathon for 100+ participants (MLH, Google Gemini).	
▸ Grew membership 30%, ran a \$5,500 budget and an 8-person organizing team.	

Peer Tutor	Aug 2023 – May 2026
<i>Rutgers Center for Learning and Student Success</i>	Camden, NJ
▸ Tutored 120+ students in CS, mathematics, and physics; 99% satisfaction in evaluations.	

Resident Assistant	Aug 2023 – May 2026
<i>Office of Housing and Residence Life</i>	Camden, NJ
▸ Managed a community of 30+ residents: on-call response, conflict mediation, and hall programming.	

PROJECTS

MindMate: Multimodal Alzheimer's Detection	Nov 2025
<i>FastAPI, Supabase, LLM tool-calling, RAG</i>	HackPrinceton Finalist
▸ Built the cognitive-analysis integration and a tool-calling LLM agent for natural-language patient queries.	
▸ Multimodal platform across speech, conversation, and MRI; built with a team of 4 in 36 hours.	

Self-Hosted ML Infrastructure (Homelab)	Mar 2025 – Present
<i>Proxmox, Terraform, Ansible, Docker, CUDA, Ollama</i>	projects/homelab
▸ Provisioned 15+ services and a GPU-passthrough VM as declarative Terraform/Ansible infrastructure with remote state and CI-driven deploys on merge.	
▸ Serves local LLM inference (Ollama), Prometheus/Grafana monitoring, and a sandboxed automation agent.	

Financial Market Anomaly Detection	Jan 2025 – Present
<i>Python, R, Pandas, NumPy, SciPy</i>	Funded Research
▸ Applied Benford's Law to detect anomalies across 500+ companies and international markets; full write-up on request.	