

# BIANCA AZARTASH-NAMIN

M.S. Physics

✉ [bianca.azartash@gmail.com](mailto:bianca.azartash@gmail.com)

in [linkedin.com/in/bianca-azartash](https://www.linkedin.com/in/bianca-azartash)

github.com/undomielren

## Professional Summary

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Innovative and service-oriented Librarian with a strong background in research, reference, and instruction in higher education. Experienced in developing instructional content, facilitating workshops, and supporting ethical technology use. Adept at interdisciplinary collaboration across campus stakeholders and academic library workflows. Passionate about promoting AI/digital literacy, platforms and tools for research applications, and providing equitable access to innovative technology and information resources through academic libraries.

### Key Strengths & Achievements:

- Detail-oriented thinker with exceptional analytical capabilities to conduct research, data analysis, and data visualization.
- Proven ability to design, deliver, and evaluate instructional workshops and digital learning materials.
- Strong technical background and experienced with using and helping others with basic to advanced computer hardware and software.
- Effective communicator with experience in public speaking and instructional support.
- Committed to making a positive impact through mentoring, outreach, diversity and inclusion initiatives, emphasizing fairness and ethical responsibility in academic and professional environments.

## Experience

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### U. of Oklahoma

Norman, OK

*AI Literacy Project Librarian*

*July 2025 - Present*

- Developed LibGuides and digital learning materials for AI in the Library and First Year student course materials at the University of Oklahoma.
- Developed and delivered workshops to faculty, staff, and graduate students pertaining to AI categories targeted for Reference and Instruction statistics.
- Developed instruction guides for Reference and Instruction Librarians to teach AI literacy.
- Member of AI Action Team for Student Success working group, collaborating on charter deliverables across OU Norman campus, Health Sciences Center, and Tulsa campus in adherence to the CHOICE ACRL AI Literacy Framework.
- Member of AI Education Working Group, collaborating on deliverables across campus to address pedagogy, instruction, and AI literacy in Higher Education.
- Assisted Reference and Instruction librarians with AI features in library workflows, meetings with product executives and faculty to discuss AI features/tools, and classroom instruction.
- Developed proposal and material to speak at the OLA Conference in 2026 on AI in the Library.
- Collaborated with Digital Strategies and Innovation team to produce AI Sandbox Pilot Project documentation and promote AI technology initiatives.
- Assisted with Data and Software Carpentries workshops and took Carpentries Instructor Training to become a certified instructor.

### Metropolitan Library System

Edmond, OK

*Library Aide*

*April 2025 - July 2025*

- Provide reference, directional, and basic technology support to a diverse patron base.
- Maintain collection integrity through shelving, shelf reading, and weeding tasks.
- Prepare and route materials for circulation; inspect items for damage and direct to repair.
- Supported circulation staff with daily library operations, including basic troubleshooting of self-checkout stations and printers.
- Interpreted guest needs and connected them with relevant library programs, digital services, and community resources.
- Contributed to an inclusive, accessible environment through responsive and empathetic service.
- Adhered to library policies and procedures while using sound judgment in resolving patron concerns or referring them to appropriate staff.

### Outlier

Remote

*AI Training*

*Dec. 2024 - Jan. 2025*

- Developed use cases and prompts tailored to academic and professional contexts, emphasizing ethical considerations.
- Provided feedback on AI-generated outputs to improve alignment with user intent, factual accuracy, and inclusive language.
- Assisted in evaluating AI tool performance and effectiveness across diverse learning scenarios.

## U. of Oklahoma

Norman, OK

*Graduate Teaching Assistant*

*Aug. 2022 - Dec. 2024*

- Assisted in research projects, analyzing data and generating reports, showcasing advanced problem-solving and information retrieval skills.
- Provided high-level instructional support to diverse student groups, ensuring effective communication of complex scientific topics.
- Designed, reviewed, evaluated, and taught scientific instructional materials, ensuring knowledge-sharing and technical clarity in lab procedures.
- Managed multiple projects simultaneously, including logistics for classroom and instructional materials, demonstrating organizational skills and attention to detail.

## U. of Oklahoma

Norman, OK

*Graduate Research Assistant*

*Aug. 2021 - Dec. 2024*

- Trained peers in programming, technical/software systems, and facilitated comprehensive knowledge of research goals, fostering collaboration and knowledge-sharing.
- Conducted computational data analysis for astrophysical simulations, creating accessible programming scripts and data visualizations for open-access academic publications.
- Authored peer-reviewed articles in leading academic journals and wrote fellowship proposals, showcasing strong data-driven communication skills and familiarity with budgets.

*CERN & ATLAS Hardware*

*2019 - 2022*

- Assisted in maintaining laboratory inventory and managing incoming and outgoing materials.
- Co-authored publications and contributed to public science communication efforts.
- Maintained and calibrated hardware projects and laboratory equipment for experimental data collection related to particle detector upgrades, contributing to decision-making processes.

*Snowmass Early Career Member, Energy Frontier*

*2019 - 2022*

- Provided scientific results on DOE research projects, contributing to the development of new particle collider initiatives and research-based funding proposals.
- Assembled and synthesized essential information from research publications, technical papers, and experimental results to support scientific recommendations for policymakers.
- Co-Authored scientific publications and provided results for policy recommendations based on research findings, ensuring alignment with broader scientific goals and environmental policies.

## Education

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### UNIVERSITY of Oklahoma

Norman, OK

*Master of Science in Physics*

*Aug. 2022 - Dec. 2024*

### UNIVERSITY of Oklahoma

Norman, OK

*Bachelor of Science in Astrophysics*

*Jan. 2019 - Dec. 2021*

- **Awards:** Homer L. Dodge Department of Physics and Astronomy Award for Meritorious Scholarship in Astrophysics

## Leadership

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**N-Body Shop Code of Conduct Committee:** Led efforts in drafting and enforcing policies that promote inclusivity and ethical research practices.

**Women in Physics:** Spearheaded STEM diversity initiatives through strategic communication and community outreach.

## Skills

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**Technical:** Machine Learning, Neural Networks, Large Language Models, LibApps (Springshare), LibGuides, LibWizard, Python, LaTeX, Linux/Unix Shell, GIT/GitHub, Docker, LibreChat, LiteLLM, Frontier & Open-Source AI models, API, Integrated Library Systems, Digital Resource Access Support (eBooks, databases), Microsoft Office Suite (Word, Excel, PowerPoint)

Public access catalog (PAC) navigation

**Analytical:** Data Analysis, Data Visualization, Advanced Problem Solving, Critical Thinking, Research & Information Retrieval and Verification, Quantitative Analysis, Literature Review, Statistical Analysis, Data/Scientific Reporting, Library of Congress and Dewey Decimal Systems

**Communication & Outreach:** Reference/Research Help Desk, Campus Engagement/Community Outreach, Interdisciplinary Collaboration, Project Coordination, Public Speaking, Written and Oral Communication, Commitment to Ethics and Academic Integrity

## References

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**Matthew Mackintosh, Social Sciences Librarian:** [mackintosh@ou.edu](mailto:mackintosh@ou.edu)

**Dr. Mukremin Kilic, Graduate Advisor:** [kilic@ou.edu](mailto:kilic@ou.edu) — (405) 325-6611