Anastasiia Lehova

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Builder with experience in early-stage internal systems, validating technical requirements, and extending production software used in real operational environments. Collaborating across back-end services, databases, and infrastructure-adjacent tooling to improve reliability, automation, and data flow. Skilled in Python, SQL, cloud platforms, and system integration, with a strong interest in product thinking, cross-functional collaboration, and deploying technology that drives measurable impact. Passionate about bridging technical implementation with human-centered design and long-term system reliability.

Work Experience

Schreiber Foods

Software Developer Intern *Aug 2025 - Present*

- Build backend development in Python by implementing and refining API endpoints, debugging application logic, and supporting feature enhancements within an existing codebase to improve system reliability.
- Execute quality assurance testing by writing and running test cases, identifying defects, and validating fixes across development environments to ensure functional accuracy before deployment.
- Optimize SQL queries to retrieve, insert, and update data within MySQL and Microsoft SQL Server databases, supporting data integrity and efficient application performance.
- Implement event-driven AWS workflows using Lambda functions, DynamoDB, and EventBridge for lightweight data processing and system integration

Operations System Developer Intern *May 2025 – Aug 2025*

- Designed HMI/SCADA dashboards by configuring data bindings, visual components, and control logic to support real-time monitoring and operator interaction.
- Optimized SQL queries across MySQL and Oracle databases to improve data retrieval efficiency and reliability for industrial system reporting and process tracking.
- Developed custom Python library functions within Ignition to extend platform capabilities and automate repetitive workflows, improving system consistency and development efficiency.

Brown County STEM

Undergraduate Researcher *Aug 2024 – Apr 2025*

- Modeled relational data structures by designing Entity Relationship Diagrams (ERDs) in Figma, defining entities, relationships, and constraints to guide backend development.
- Built an internal ERP system using Odoo, Python, and PostgreSQL, implementing core business logic and data models to support internal operational needs.
- Customized ERP modules and backend workflows by extending Odoo functionality and refining server-side logic to improve process efficiency and system usability.

UW-Green Bay

IT Dispatch Assistant *Oct 2023 – Feb 2025*

Deployed and supported campus IT operations by configuring hardware and systems, administering user accounts and access controls, and executing compliant e-waste recycling and hardware repurposing processes to maintain secure, efficient technology environments.

Technological Skills

- Programming & Development: Python, Java, C/C++, Object-Oriented Design, Unreal Engine, React, UI/UX Design, Unit Testing
- AI & Data Science: SQL, Machine Learning, AI Tools Proficiency, Cloud Platform, AWS, Statistical Analysis, A/B Testing
- Robotics & Analytical Skills: Robotics, Problem-Solving, Quantitative Analysis, Debugging, Algorithmic Analysis
- Language: English (Fluent), Russian (Fluent), Ukrainian (Fluent)

Education

University of Wisconsin- Green Bay – *BS in Computer Science – Software Engineering; Minor in Mathematics* (GPA: 3.4)

Clubs: Dance Club, Chess Club, Video Games Development Club, International Club

- Honors & Awards: Sherry Anklam Memorial (SAMA) Scholarship `25, Phoenix Scholar Award`24, UW-Green Bay Leadership & Service Award `23, Global Undergraduate Exchange Program Participant `22
- Robot-Human Interaction Research: Conducted applied research in social and assistive robotics using NAO, Misty II, and rover platforms; programmed interactive and conversational behaviors for educational use cases; designed hands-on AI and robotics demonstrations for first-year Computer Science students.
- University Housing: Mentor and support a residential community of 250+ undergraduate students through academic guidance, community programming, and inclusion initiatives.