Hlib "Gleb" Bereziuk

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Purdue Computer Science senior pursuing full-time Software Engineering roles. Azure-certified developer with diverse experience in backend Java and Python software, custom AI/MCP pipelines, and real-time data processing systems.

Education

Purdue University — West Lafayette, IN
Bachelor of Science in Computer Science — *Expected May 2027*

- GPA: 3.46. Minor in Mathematics; Minor in Political Science; Certificate in Entrepreneurship & Innovation

Professional Experience

Corteva Agriscience — Indianapolis, IN
R&D Engineer – Software Development | Part-Time — *Aug. 2026 – Present*

- Building a custom Python **MCP server** on secure internal AI infrastructure, unifying fragmented engineering data silos through automated OCR, semantic search, and live indexing of documentation for a 12-member team
- Developing a custom Python IP address & inventory management system for tracking **200+ Ethernet devices**, automating live health telemetry and uptime monitoring to streamline issue detection and future planning
- Leading the end-to-end modernization of legacy data collection into Ignition SCADA, integrating local serial data persistence with corporate data lakes for global analytics; deploying tooling across **four international facilities**

R&D Engineering Intern — *Jan. 2026 – Jul. 2026*

- Developed Python **diagnostic utilities** and **data analysis** tools to simplify testing of Ethernet-enabled devices, reducing maintenance overhead and accelerating issue detection by eliminating reliance on complex SCADA setups
- Implemented reusable visualization tools that abstracted underlying Ignition SCADA infrastructure, simplifying experiment configuration and live data monitoring for researchers across **25+ laboratory experiments**
- Designed and assembled relay-powered **safety control systems** with supporting electrical and mechanical documentation, ensuring safe continuous operation of laboratory experiments across multiple locations

Target — Wheeling, IL
Fulfillment Specialist — *Jul. 2022 – Present*

- High school job; retained on-demand role throughout college supporting fulfillment operations during busy periods

Projects

AgraSense | Azure, ESP32, IoT, Spring Boot, React

- **Top-5 finalist** out of 110+ submissions at Purdue's hackathon; continued under mentorship of a CS professor
- Delivered a simple, affordable solar-powered ESP32-based WiFi mesh agricultural sensing solution
- **Deployed** at the Indiana Corn and Soybean Innovation Center and demonstrated during Purdue Agriculture Week
- Led development of Azure infrastructure and a Spring Boot backend for scalable IoT sensor data ingestion

Sale2Me | Azure, Kubernetes, Docker, Spring Boot, jQuery

- Designed a lightweight containerized **e-commerce storefront** for a family business, deployed on Azure services
- Optimized customer experience, enabling the platform to generate over **$17,000 in profit** since its initial launch

Leadership

Boiler Gold Rush, Purdue University — West Lafayette, IN
Team Supervisor – International | Team Leader – International — *Mar. 2024 – Aug. 2025*

- Led a team of 10 orientation leaders and coordinated program logistics for student orientation week
- Spoke on a panel to **500+ international students** regarding adaptation to academic and campus life in the U.S.
- Guided 16 new students from 10 countries through their transition to academic and campus life at Purdue

Technical Skills

Languages: Java, Python, C, C++, SQL, JavaScript, Assembly (x86-64)
Backend & Cloud: Microsoft Azure, Spring Boot, RESTful APIs, Microservices, Docker, CI/CD
Data & Integration: Cosmos DB, MongoDB, Neo4j, PostgreSQL, Ignition SCADA, Model Context Protocol (MCP)
Embedded & Protocols: ESP32, Arduino, Raspberry Pi, PLCs, TCP/IP, Ethernet, Modbus, MQTT, Wi-Fi

Certifications

Microsoft Certified: Azure Developer Associate (AZ-204) | Issued June 2025
Illinois State Seal of Biliteracy: Ukrainian & Russian; Commendation in German