
Katya Serechenko

(941) 250-4317 | Tallahassee, FL | yserechenko@gmail.com

— Skills

- Languages: C++, C#, Java, JavaScript, Python, C
- Frameworks: React, Tailwind CSS, .NET MAUI, HTML/CSS
- Cloud & Tools: AWS (Bedrock, Lambda, S3), Git, SQL
- Additional: UX/UI Design (Google Coursera Certified)

— Education

B.A. Computer Science | Florida State University

Expected Dec. '26

— Experience

Lab & Software Engineering Intern | Danfoss

Feb. '26 - Present

- Developed Python-based real-time data acquisition tools integrating hardware instrumentation APIs to automate compressor and chiller performance testing workflows
- Refactored legacy LabVIEW/C++ systems into modular Python-driven, SQL-backed pipelines, improving data traceability and reducing manual processing overhead
- Designed automated calibration scripts reducing manual test configuration time
- Configure, calibrate, and troubleshoot data acquisition hardware, improving test accuracy and operational efficiency

Software & AI Evaluation Engineer | Outlier

Nov. '25 - Present

- Evaluated and stress-tested C++ and ML model outputs for performance, correctness, and edge-case behavior
- Identified failure modes in AI-generated code and improved reliability through systematic debugging
- Conducted structured evaluation of model reasoning accuracy across diverse technical prompts

— Projects

The Big Event Tallahassee

- Developed and deployed a data-driven web platform using Tailwind CSS/JavaScript to match 1500+ volunteers with community organizations
- Built automated parsing scripts (Python) to sync volunteer data from Google Sheets
- Implemented responsive UI patterns to improve mobile usability

Amazon Web Services Design Sprint — 2nd Place

- Architected serverless backend using AWS Lambda, S3, and Bedrock agents for scalable AI-powered internship matching
- Designed React + TypeScript frontend with dynamic routing and state management for personalized user workflows
- Implemented semantic resume-job matching using LLM embeddings and vector-based similarity scoring

— Leadership

Mentorship Director | Women in Computer Science | FSU

- Lead mentorship program pairing students with industry mentors and organizing technical workshops

Media Coordinator | Slavic Student Association | FSU

- Managed digital communications and event promotion strategy