Aliya Vagapova

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EDUCATION

Expected August 2028

Wentworth Institute of Technology | Boston, MA
Bachelor's degree in Computer Science
Minors in Electrical Engineering, Computer Networking, Physics

SKILLS

LANGUAGES: Java, C, Python, JavaScript, SQL
Frameworks & Web Tools: React.js, HTML5, CSS3, Spring Boot, Django REST Framework
Developer Tools: Git, GitHub, Eclipse, PyCharm, VS Code, WebStorm
Enterprise & Productivity Tools: Microsoft Office, Microsoft 365, ServiceNow
Databases & Data Platforms: PostgreSQL, SQLite, Microsoft Dataverse, Power BI

EXPERIENCE

Wentworth Institute of Technology | Digital Innovations Specialist | Boston , MA August 2026 - Present

- Contributing to the architecture of a centralized data platform integrating student engagement and cooperative education program metrics, with the goal of modernizing fragmented Excel-based reporting workflows.
- Designing relational data models in Microsoft Dataverse to structure person records, program affiliations, and role-based relationships for consistent cross-program data management.
- Defining data integration and reporting requirements for institutional Oracle sources and Power BI analytics, with an emphasis on data quality, identity resolution, and maintainable reporting pipelines.
- Evaluating workflow automation and access-control approaches to streamline data entry, improve reporting consistency, and protect sensitive person-level information.

Harvard University | Technical Support Engineer Co-Op | Cambridge , MA May 2026 - August 2026

- Delivered technical support across hardware, software, networking, and enterprise systems, diagnosing and resolving technology issues for faculty, staff, and students.
- Deployed, configured, and maintained end-user devices while supporting secure access to university systems and institutional resources.
- Investigated technical incidents through systematic troubleshooting and root-cause analysis, helping restore functionality and maintain reliable IT operations.
- Weekly presented technical issues and resolution procedures to support consistent service delivery and improve knowledge sharing across support workflows.

Pro Repair LLC | Seasonal acting-manager/Devices Repair Technician | Cambridge , MA Oct 2024 - May, 2026

- Entrusted with seasonal acting-manager responsibilities for one week at a time, overseeing daily operations, coordinating repair workflows, and supporting service continuity.
- Diagnosed, repaired, and maintained 100+ computing devices, applying systematic hardware and software troubleshooting to restore functionality and deliver reliable customer service.
- Executed hardware replacements, component upgrades, operating system recovery, and performance optimization using diagnostic tools and AI-assisted troubleshooting resources.

PROJECTS

Community Care - Healthcare Referral Management Platform
React, Django REST Framework, PostgreSQL, Git September, 2026 - Present

- Collaborating on the design of a full-stack referral management platform intended to centralize referral workflows and improve visibility into referral progress across multiple clinics.
- Translating stakeholder requirements into structured user stories, customer journeys, acceptance criteria, and interface wireframes to guide iterative software development.
- Designing application workflows for referral creation, status tracking, data validation, and duplicate-submission prevention to improve record consistency and operational traceability.

ResolveIT - IT Service Management System | Java, Spring Boot, PostgreSQL, JUnit October, 2026 - Present

- Engineering a Java-based IT service management platform with a layered backend architecture and RESTful APIs to centralize incident reporting, ticket assignment, priority classification, and resolution tracking through structured workflows.
- Designing relational data models and implementing business logic for input validation, controlled status transitions, exception handling, and ticket history, with automated unit and integration testing to strengthen data integrity, system reliability, and maintainability.

Accelerate & ACE Metrics Data Platform
Microsoft Dataverse, Power BI, Oracle SQL, Power Automate September, 2026 - Present

- Designing a centralized data management and analytics platform to consolidate student engagement and cooperative education program data, modernizing fragmented, spreadsheet-based reporting workflows.
- Architecting relational data models and person-role associations in Microsoft Dataverse to support consistent record management, cross-program relationships, and scalable reporting.
- Planning integration between institutional Oracle data sources, structured program records, and Power BI semantic models to establish a reliable foundation for automated reporting and historical metrics analysis.
- Evaluating data quality, identity matching, access controls, and workflow requirements to support accurate reporting while separating sensitive person-level records from aggregated analytics.

CodeWIT | Operations Lead | HackerRank based Coding Competition October, 2025 - January 31, 2026

- Spearheaded the launch of a HackerRank-based competitive programming event for Computing and Data Science students, coordinating event planning and technical implementation.
- Orchestrated cross-functional collaboration among faculty, student government, and development teams to align operational requirements, technical readiness, and event logistics.
- Coordinated technical and environmental preparations to support a structured, accessible, and engaging competitive programming experience.

Barcode Scanner | UI/UX Developer | Team project | Wentworth Student Government Nov 20, 2024 - Feb 26, 2025

- Developed responsive web interfaces using HTML, CSS, and JavaScript to support barcode-based product lookup and user interaction.
- Integrated QuaggaJS barcode-decoding functionality with camera-based scanning workflows, enabling users to retrieve product information through barcode recognition.
- Contributed to a full-stack application connecting barcode lookup functionality with structured product data and administrative tools.

ACTIVITIES/LEADERSHIP

Executive Vice President | Wentworth Student Government May 2026 – Present

- Lead internal operations and coordinate initiatives across Student Government leadership and representatives.

Director of Business Affairs | Wentworth Student Government September 2025 – May 2026

- Leaing a cross-functional committee addressing physical and operational campus issues by coordinating directly with Facilities and campus partners.

MEMBERSHIPS

Women At Wentworth, Member:

Leading Leopard Award – Nominee (March 27, 2025)
Leading Leopard Award – Nominee (March 26, 2026)

COF (Colleges of Fenway Dining) Committee Member:

Representing student interests on the Colleges of the Fenway Dining Committee, working with Sodexo to improve dining services across member institutions.

Alumni Association Student Representative:

Representing student interests on the Alumni Association Committee, working with Sodexo to improve dining services across member institutions.