ALISA AKAYA

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EDUCATION

University of Houston	**Expected: May 2026**
Bachelor of Science, Computer Science & Information Systems	**GPA: 3.8/4.0**

Minor, Business Administration

- **Awards & Honors:** 2x National Hackathon Champion, Apple Academy, Deloitte Foundation Scholar, Dean's List
- **Relevant Coursework:** Data Structures, Information Systems Operations, IS Infrastructure & Networking, Product Development
- **Certifications:** ITLP® Certified IT Manager, *SAFe® Product Management & Project Management Professional (PMP) (In Progress)*

SKILLS AND INTERESTS

- **Technical:** Python, C++, SQL, React.js, R, Linux, AWS, Distributed Systems, Systems Architecture, Automation Tooling, CI/CD, Git
- **Business:** Project/Program Management, Agile & Scrum, Software Development Life Cycle, Risk & Dependency Management, Change Management, Jira, Tableau, Microsoft Office, Google Suite, ServiceNow
- **Languages:** English (Fluent), Russian (Fluent), American Sign Language (Basic)
- **Hobbies:** Matcha Enthusiast, Multimedia Artist, Writer / Slam Poet, Content Creator

WORK EXPERIENCE

Apple, *Software Engineer Intern* - Austin, TX   May – Aug 2025
- Improved system recovery reliability by 80%, as measured by MTTR reduction from 1 hour to under 15 minutes, by designing object-oriented Python services and APIs to automate recovery for Flink-based data pipelines
- Reduced data loss risk by implementing configuration-consistency frameworks using core data structures and validation logic across distributed systems processing 250K+ daily events
- Improved software quality and execution readiness, as measured by faster incident resolution, by delivering architecture documentation, implementing automated checks, and validating changes through controlled testing workflows

Baker Hughes, *Product Strategy Intern* - Houston, TX   Jan – May 2025
- Delivered a 20% cost reduction across 500+ SKUs, as measured by sourcing savings, by driving SAP-supported procurement and sourcing optimization through data-driven price analysis, supplier evaluation, and business case development
- Improved procurement decision speed by 35%, as measured by cycle-time reduction, by translating SAP and ERP procurement data into executive-ready analytics that aligned finance, operations, and sourcing stakeholders

Apple, *Systems Engineer Intern* - Austin, TX   May – Aug 2024
- Improved scalability and delivery predictability by optimizing data flows across multi-tenant financial systems processing 500K+ daily transactions with 99.9% accuracy
- Reduced operational risk by coordinating reconciliation across MongoDB, Oracle, and MySQL systems to stabilize capacity utilization

GE Appliances, *Technical Program Manager Intern* - Houston, TX   Aug – Dec 2023
- Improved program delivery accuracy by 25% by translating demand signals and system constraints into prioritized roadmaps, execution plans, and dependency strategies across a global engineering team
- Increased operational throughput by 60% by deploying Python- and SQL-driven automation pipelines improving KPI visibility and planning efficiency and informing product roadmap decisions through recurring customer insights
- Mitigated execution risk by managing dependencies and stakeholder alignment across a 12-person global cross-functional team, supporting portfolio governance, standardized execution, and change enablement

Northrop Grumman, *Strategy Project Manager Intern* - Washington, D.C.   May – Aug 2023
- Increased sprint velocity by 30% by applying Agile and Scrum methodologies across five concurrent strategic programs
- Improved stakeholder satisfaction (NPS +65%) by leading end-to-end product lifecycle delivery of an internal analytics platform from roadmap to launch

PROJECTS

JP Morgan Chase Datathon – *Community Impact Analysis Platform* | National Champion
- Performed geospatial analysis and K-means clustering on large-scale demographic, econometric, and education datasets using Python, Pandas, and NumPy to identify optimal facility locations across Chicago metropolitan area
- Engineered interactive heatmap visualization correlating multi-dimensional community factors with site viability score

Capital One Hackathon – *Social Justice Resource Platform* | Regional Champion
- Engineered a fully responsive full stack web application using HTML, CSS, JavaScript, and third-party API integrations to dynamically serve curated social justice resources to students
- Architected a comprehensive database backend enabling seamless content retrieval and real-time updates across the platform

LEADERSHIP

National Black Society of Engineers (NSBE)

Vice President; Univ. of Houston   March 2023 – March 2024
- Managed program operations for 50+ annual engineering events serving 2K+ participants, coordinating cross-functional team of 33
- Owned corporate partnership strategy with 15+ sponsors and campus organizations, driving 40% increase in sponsorship revenue and 30% growth in program participation

Director of Business Development; Texas Zone   Nov 2022 – Feb 2023
- Executed regional business development program promoting 10 businesses across Texas, resulting in $3K+ revenue and 50% attendance increase through strategic outreach