

# Elias Alemayehu

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## EDUCATION

### Santa Clara University, School of Engineering

*B.S. in Computer Science and Engineering*

**Santa Clara, CA**

*Expected June 2027*

## EXPERIENCE

### Software Development Intern

July 2025 – Present

*The Hivery*

*Mill Valley, CA*

- Developed custom Python scripts and Google Apps Script to clean, transform, and merge external data sources, reducing manual reporting time by 66%.
- Automated scheduling pipeline in Python using Zapier and REST API integrations (Calendly, Kajabi, CRM), cutting event conflicts by 80% and streamlining front-desk operations.
- Spearheaded a full SEO audit of company's website and launched a keyword-driven optimization strategy, improving crawlability and indexing, resulting in a 39% increase in organic traffic within 3 weeks.

### Founder

Feb. 2025 – Present

*Sano*

*Santa Clara, CA*

- Designed and launched a nutrition analysis iOS app using Swift and C++, backed by a SQL database managing 300,000+ food ingredients with optimized query performance.
- Integrated AWS API Gateway and Lambda to handle user scan requests and nutrition queries, reducing scan costs by 36% while ensuring scalable and reliable performance.
- Built a CI/CD pipeline using GitHub Actions to automate testing and streamline deployment to App Store, ensuring faster and more reliable iteration cycles.

### Data Analytics Intern

June 2024 – August 2024

*Webacy*

*New York City, NY*

- Performed exploratory data analysis in Python, SQL, and Excel on 60,000+ data points, uncovering 5 key correlations among the most prevalent vulnerabilities.
- Identified and labeled 30+ vulnerabilities across 20+ smart contracts achieving 95%+ accuracy, improving dataset reliability and influencing 3 security policies.

## PROJECTS

### Cogniscan | ML MRI Scanner

Feb. 2025

- Engineered an AI-powered MRI analysis tool to assess Alzheimer's severity, aiding in early diagnosis and treatment workflows.
- Built the solution with Django REST Framework, PyTorch, OpenCV, PostgreSQL, React, TailwindCSS, and AWS (S3, Lambda).
- Implemented and trained a CNN model using PyTorch with over 98% accuracy, processing scans in under 3 seconds for real-time assessment.

## ACTIVITIES AND LEADERSHIP

### National Society of Black Engineers (NSBE)

Oct. 2024 – June 2025

*Secretary*

*Santa Clara, CA*

- Managed chapter communications by drafting and distributing a weekly newsletter to 50+ members, ensuring consistent updates on events, resources, and opportunities while increasing overall attendance by 125%.
- Spearheaded executive operations by recording detailed meeting minutes, maintaining records, and assisting in planning 20+ events focused on professional development, community engagement, and academic excellence.

## SKILLS

**Languages:** Python, C++, SQL, JavaScript, Java, Swift, C, HTML5/CSS.

**Frameworks/Tools:** PyTorch, Django, React, NumPy, Node.js, TailwindCSS, Flask, Firebase.

**Cloud/DevOps:** AWS (S3, Lambda, EC2), Azure, Docker, GitHub Actions, Git, SQL Server, Linux.

**Interests:** Software Engineering, Building Computers, Alto Saxophone, Chess, Soccer.