

ELLIE KALITSI

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EDUCATION

Spelman College - Atlanta, GA

GRADUATION: DECEMBER 2025

- B.S. in Computer Science
- Relevant Coursework: Programming and Data Science (Python), Computing Information Systems, C++ Principles, Data Structures and Theoretical Foundations of Computer Science, Calc I, Calc II, General Statics, Theory Programming Languages, Physics I: Mechanics, Networks and Security, Intro to Web Development, Discrete Structures, DataBase & Management, Human Computer Interaction, Linear Algebra.

Skills:

- **Software Development:** C++/C#, Unity Java, TypeScript, PHP, Python, React, HTML, Bootstrap, and FORTRAN
- **Machine Learning/Data Science:** Computer Vision, AWS, Spark, WebGL, TensorFlow, and PyTorch
- **Frameworks/Libraries/Databases:** Spring Boot, Three.js, MySQL, PostgreSQL, MongoDB, and Numpy
- **Languages:** English(Fluent) and Spanish(Intermediate)

RELEVANT EXPERIENCE

Full Stack Software Engineer Intern, Education Startup, Washington DC	MAY 2025 - PRESENT
<ul style="list-style-type: none">• Implementing full stack features for a mid-stage product and introducing new methods of data collection.• Creating migrations files and querying databases to produce effective and accurate results.	
Machine Learning Researcher, Spelman College, Atlanta GA	MAY 2025 - PRESENT
<ul style="list-style-type: none">• Working with an ML framework for binary trees & phylogenetic modeling in hyperbolic space;• Working with Dr. Antonio Moretti in a group of 2 to extend sequential Monte Carlo methods.	
Full-Stack Software Engineer Intern, Amazon, Washington DC	MAY 2024 - AUGUST 2024
<ul style="list-style-type: none">• Implemented an API to optimize the Unload Workflow in all North America and Europe Warehouses.• Created backwards compatible solutions that stored idempotency keys inside AWS buckets each time a work request is made. Updated sync call Paths to prevent sev 3s from happening during Unload Pallet Profiling.• Created unit testings and tracked solutions metrics to support pallet overcapacity of materials that are introduced to Inbound.• Deployed solutions and created a cloudwatch dashboard to monitor the new workflow in production.	
Frontend Software Engineer Intern Amazon, Arlington VA	MAY 2023 - AUGUST 2023
<ul style="list-style-type: none">• Implemented a user-friendly UI improvement for web applications used for the AFT team.• Developed a printing API to separate the binary stream of a file during Proof of Delivery Profile• Deployed and tracked frontend usage metrics to analyze the success of my feature changes in production.	
Data & Analytics Intern, Coca Cola, Atlanta GA	JUNE 2022 – AUGUST 2022
<ul style="list-style-type: none">• Created comprehensive visual reports in PowerBI for clients and supervisors.• Worked on analytical tools for supervisors to provide a statistical score using Python and PowerBI.	

LEADERSHIP & SERVICE

Co-Lead of HBCU Game Jam - Atlanta GA	JAN 2025 - APRIL 2025
<ul style="list-style-type: none">• Co-Lead the partnership organization and led of managing logistics and participant engagement.• Led a workshop for XR Gaming Dev 101, programmed managed schedule flows, and hosted Game Jam sponsors	
Spelman XR Club - Atlanta, GA	AUGUST 2021- MAY 2025
<ul style="list-style-type: none">• Teaching students how to experiment with gaming simulations and 3D modeling using the Unity Game Engine• Spearheading Hackathons/Projects/and XR Enthusiasm .	
Head of Tech-Ops - The Blue Record Podcast Atlanta GA	MAY 2024 - MAY 2025
<ul style="list-style-type: none">• Maintained the website of TBR, created features changes and implemented new UX Designs• Program manager for all audio engineering and sound mixing	

PROJECTS & HACKATHONS

1st Place Vanderbilt Data Science Hackathon , Atlanta GA	APRIL 2025
<ul style="list-style-type: none">• In a group of 6 we created an AI agent using Open-FDA API that is called “Mama-Shield”. This website was made to help mothers trying & expecting learn which medications & foods to avoid with image processing features.• Implemented image recognition functionality to automate the identification of medication ingredients.	