Leul Mesfin

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Education

New York University   **Sept. 2025 – Present**
Masters of Science in Cybersecurity   *New York City, NY*

University of Maryland, College Park   **Aug. 2020 – May 2024**
Bachelor of Science in Computer Science, Minor in General Business   *College Park, MD*

Experience

Peakz   **June 2025 – Present**
Founding iOS Engineer   *Remote*

- Designed and built a fitness RPG app in SwiftUI integrating with Supabase for authentication, real-time data sync, and structured storage of user activity and notifications.
- Managed task prioritization and sprint planning in Jira, improving workflow efficiency by 30% as measured by reduced task rollover and more consistent delivery timelines.
- Architected a scalable relational data model and implemented SQL joins on the backend to pre-aggregate notification data, minimizing client-side processing and improving rendering performance for complex, multi-user notification stacks.

Montgomery College   **May 2025 – July 2025**
Lead Instructor   *Rockville, MD*

- Instructed over 250+ 6th–8th grade students in Swift programming, and taught foundational Computer Science concepts through coding challenges and puzzle-solving.
- Optimized setup of 60+ iPads for Swift development by resolving recurring login and access issues, reducing daily preparation time by 45%.
- Guided 30+ students through structured product critique sessions, focusing on feature clarity, usability, and product–user alignment, which led to a 30–50% improvement in prototype completeness and usability.

Panda Programmer   **Nov. 2024 – Present**
Lead Instructor   *Silver Spring, MD*

- Taught Computer Science fundamentals to 430+ K–8 students through after-school programs and summer camps, covering core logic, algorithms, and problem-solving using Python.
- Led instruction in web development fundamentals using HTML, CSS, and JavaScript, guiding students to build interactive websites through hands-on, project-based learning.
- Designed lesson plans, and managed classrooms with a diverse group of students.

Projects

Gainz | *React Native, TypeScript, Python, AWS DynamoDB, AWS Lambda, Clerk*   **November 2024**

- Co-developed a cross-platform social media and fitness mobile application using React Native, following Agile methodologies to ensure iterative delivery and team collaboration.
- Deployed an AWS Lambda function using Python to manage backend operations and interact with DynamoDB for efficient data handling and improved performance.
- Implemented a user log-in system using Clerk, enhancing app security and streamlining account creation for new users.

Music Transfer | *Java, TypeScript, React, Spring Boot, TailwindCSS*   **August 2024**

- Built a React web application to transfer Spotify playlists to Apple Music.
- Designed a RESTful API with SpringBoot to manage authentication and securely interact with the Spotify Web API.
- Leveraged Java to process and transform Spotify API data into a structured format for the client side integration.

Mini-Compiler for Bindings | *Racket, x86 Assembly*   **October 2023**

- Extended a compiler and built an interpreter with support for custom binding forms and primitives.
- Implemented error checking and mimicked Racket functionality for expressions such as let, let*, cond, case, etc.
- Coded low-level instructions using x86 assembly to support core interpreter functionality.

Technical Skills

Languages: SQL, Python, Java, JavaScript, TypeScript, HTML/CSS, PHP, Ruby, Racket, C/C++, x86/MIPS Assembly
Tools/Technologies: AWS, Firebase, Git, Postman, Docker, Apache Maven, RESTful APIs, Node.js, Make, Jira
Frameworks: React.js, React Native, Express.js, Spring Boot
Databases: MySQL, NoSQL (MongoDB, Firestore, DynamoDB)