Natan Aklilu

Third-Year at Cornell University (Class of 2025)

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EDUCATION ———————————————————

Cornell University August 2021 - Expected May 2025 | **Ithaca, NY**

Pursuing B.S. in Computer Science in the College of Engineering

RELEVANT COURSE WORK ———————————————

AP Computer Science A (2020-2021)
CS 1110 Introduction to Computing Using Python (Fall '21)
ECE 1210 Computing Technology Inside Your Smartphone (Spring '22)
CS 2110 Obj Oriented Programming & Data Structures (Spring '22)
CS 2800 Discrete Structures (Fall '22)
CS 3110 Data Structures and Functional Programming (Fall '22)
CS 4670 Introduction to Computer Vision (Spring '23)
CS 3410 Computer System Organization & Programming (Fall '23)
CS 4700 Foundations of Artificial Intelligence (Fall '23)

WORK EXPERIENCE ————————————————

Amazon SDE Intern May 2023 - August 2023 | **East Palo Alto, CA**

- Worked under AWS - User Insights to perform end-to-end development of an anomaly detection feature, ensuring data integrity of a reporting tool used by internal AWS teams to improve customer experience
- Designed CloudWatch alarms and QuickSight dashboards to simplify the mitigation of inconsistent data flowing through aggregation steps
- Contributed to winning AWS UX Hackathon team in designing heat maps that visualize user interaction data directly onto console pages

CU GeoData, *Data Subteam Member* September 2022 - PRESENT | **Ithaca, NY**

- Partnering with different organizations (private and government) to make essential contributions to environmental data collection
- Designing instrumentation and exploring predictive models to tackle local issues such as Harmful Algal Blooms within Cayuga Lake

PROJECTS ———————————————————

CamlChess August 2022 - December 2022 | **Ithaca, NY**

- Created a terminal-based, multiplayer chess game with an OCaml backend
- Features include an interactive chessboard, graveyard, past move history, a working implementation of all chess rules, and the choice to face either a local opponent or our artificial intelligence algorithm
- Worked through numerous merge conflicts that sharpened my Git skills

Jumpstart EdTech Hackathon - Tutër August 2020 | **Tracy, CA**

- Used Figma to build a working prototype for an app that connects students with qualified tutors to improve online education during the pandemic
- Introduced to both front/back end principles through app development

SKILLS ——————————————

Full Stack Development using AWS tools (S3, EMR, SageMaker, Step Functions, Pipelines, CloudWatch, QuickSight)

Comfortable with collaborative development using Git/GitHub

Fluent in Microsoft Office and Google Apps

Strong critical thinking, adaptability, and verbal/written communication

Effective time management from experience with an agile scrum work environment

Customer-centric mindset to maximize positive impact

AWARDS ———————————

Valedictorian Award - Top student of 2021 graduating class at John C. Kimball High School

Pinnacle Award - Top 1% of graduating class in San Joaquin and Calaveras counties

LANGUAGES —————————

English, Amharic, Spanish

Python (CS 1110 Fall '21)

Java (CS 2110 Spring '22)

OCaml (CS 3110 Fall '22)

Scala, Spark, TypeScript (AWS)