

Natan Aklilu

Tracy, CA | (209) 637-1633 | natanakt@gmail.com | [linkedin.com/in/natantaklilu](https://www.linkedin.com/in/natantaklilu)

EDUCATION

Cornell University, College of Engineering

Aug 2021 - Expected May 2025 | Ithaca, NY

Pursuing a Bachelor of Science in Computer Science

RELEVANT COURSEWORK

CS 1110 Intro to Computing Using Python

CS 2110 Object-Oriented Programming & Data Structures

CS 3110 Data Structures & Functional Programming

CS 3410 Computer System Organization & Programming

CS 4700 Foundations of Artificial Intelligence

ECE 1210 Computing Technology In Your Smartphone

CS 4670 Introduction to Computer Vision

CS 4410 Operating Systems

CS 4820 Introduction to Analysis of Algorithms

CS 4701 Practicum in Artificial Intelligence

WORK EXPERIENCE

Coinbase Software Engineer Intern

May 2024 - Aug 2024 | Mountain View, CA

- Created a cost-benefit analysis tool in the bridging platform to support the ongoing 3rd-party integration initiative
- Determined the feasibility of internal use of 3rd-party bridges, reducing bridge sweep time from 7 days to 1 minute

Teaching Assistant, CS 3410: Computer System Organization & Programming

Jan 2024 - PRESENT | Ithaca, NY

- Coordinating with professor to provide the best learning experience for 300+ students in Cornell's core CS class
- Holding weekly lab sections/office hours to help dozens of students strengthen their understanding of difficult CS concepts, proctoring exams, and grading all student submissions to give clear/actionable feedback

Amazon Software Development Engineer Intern

May 2023 - Aug 2023 | East Palo Alto, CA

- Developed an anomaly detection feature to ensure integrity of a major data migration within an internal reporting tool
- Designed CloudWatch alarms and an informative QuickSight dashboard to speed up the mitigation of inconsistent data

CU GeoData, Data Subteam Member

Sep 2022 - Dec 2023 | Ithaca, NY

- Trained predictive models and visualized data to tackle local issues such as Harmful Algal Blooms in Cayuga Lake
- Managed team's GitHub repository and held public workshops to teach best practices in collaborative programming

PROJECTS

CamIChess

Aug 2022 - Dec 2022 | Ithaca, NY

- Built a terminal-based, multiplayer chess game in OCaml to deep dive into functional programming concepts
- Implemented an interactive chessboard, graveyard, past move history, and an optional AI chess opponent

Jumpstart EdTech Hackathon - Tutor

Aug 2020 | Tracy, CA

- Introduced to both front/back-end principles by building a working prototype for an app on Figma, connecting students with qualified tutors during the pandemic

SKILLS

Full Stack Dev with AWS tools (S3, EMR, SageMaker, Step Functions, Pipelines, CloudWatch, QuickSight)

Test-Driven Development | Debugging with Datadog

Strong critical thinking | Adaptability

Efficient time management | Organized documentation

Experience collaborating with Git/GitHub

Clear Verbal/Written communication

AWARDS

Cornell College of Engineering Dean's List

Cornell CS Course Staff Exceptional Service Award

LANGUAGES

Python (CS 1110) | Java (CS 2110)

OCaml (CS 3110) | C, RISC-V Assembly (CS 3410)

Scala, Spark, TypeScript (AWS) | Golang, SQL (Coinbase)