

Enzo DeFranco

Computer Science

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Education

Carnegie Mellon School of Computer Science

Pittsburgh, Pennsylvania

B.S. in Computer Science

2023 - Present

Cumulative GPA: 3.86/4.0

Graduation date: May 2027

Experience

Amazon.com, Inc.

7 W 34th St., New York, NY 10001

AWS Software Developer Intern

May 2025 - Aug 2025

- Worked with AWS Proactive Security to design and automate internal API penetration testing workflows.
- Redesigned onboarding for API security testing, reducing developer ramp-up by 2-3 days and eliminating 2,000+ lines of manual boilerplate code.
- Enabled mapping of insecure APIs to owning teams through a standardized testing framework and added metrics to track exposure and blast radius.
- Languages/Tools: Java, Kotlin, TypeScript, Gradle

Wuup Monitors (Acquired by Axsys LLC)

Remote

Founder

May 2020 - Sep 2021

- Founded and developed Wuup, a paid API service for Twitter web scraping, as a solo entrepreneur.
- Parsed Twitter's HTML with Cheerio and stored tweets with NoSQL.
- Axsys LLC is now one of the largest private web scrapers of X (formerly twitter) handling over 2 billion requests monthly.
- Languages/Tools: Python, JavaScript, Web Scraping, MongoDB

Sequin, Inc.

80 Sequin Dr, Glastonbury, CT 06033

Software Engineering Intern

Jun 2024 - Aug 2024

- Developed and implemented new Frontend components using Vue.js framework
- Designed new API routes in Express.js that communicated with Amazon S3 buckets (for images) and called PostgreSQL stored procedures.

Projects

ZKP2P Companion App

Developer

8/2025 - Present

- Building an iOS/web companion app leveraging the ZKP2P on/off-ramp framework for secure peer-to-peer payments.
- Implemented web proof generation using Trusted Execution Environments (TEE) and integrated with Pluto.xyz's attestation service, enabling verifiable transactions.
- Integrated ZKP2P SDK to sign and relay proofs to smart contracts, improving trust and reducing fraud risk in decentralized transfers.
- Languages/Tools: TypeScript, React Native, ZKP2P sdk, pluto.xyz sdk

HackMySchedule

github.com/enzod3/cmu-hackmyschedule

10/2023 - 12/2023

- A desktop application (coded in Python) that assists students at Carnegie Mellon in planning their schedules.
- Implemented depth first search and modified hashing methods to iterate through millions of course combinations.
- Optimizes and ranks course combinations to provide students with the best schedule possible.
- Languages/Tools: Python

Lotus AIO

github.com/enzod3/Lotus-2.0

03/2020 - 02/2021

- Management software for Discord and Twitter accounts.
- Desktop Application built using Electron Framework and developed with JS, HTML, CSS.
- Allowed users to view hundreds of Twitter accounts at once and filter tweets and data.
- Languages/Tools: JavaScript, HTML, CSS, Discord API, Twitter API

Awards

1st Place CMUHack's 2024

github.com/prasanna-28/hackcmu

9/2024

- Won 1st Place Education Award at CMUHack's CMU Hackathon with project MissedMyLecture
- Designed the application architecture including: API Routes, Data Structures, Data Storage and Service Integration
- A web application designed to help students catch up on missed lectures
- Converts handwritten notes into LaTeX and relevant YouTube videos using large language models.

Languages & Frameworks

Python: Django, Flask, FastAPI

JavaScript: React, Vue.js, Express.js, Svelte

Go: Fiber

HTML/CSS: Tailwind, Bootstrap

Java/Kotlin: Gradle, JUnit

C/C++/Assembly

Organizations

'23-'25	Athlete , Varsity Football - Carnegie Mellon University	Pittsburgh, PA
'24	Athlete , Club Rugby - Carnegie Mellon University	Pittsburgh, PA
'24-'25	SCS Senator , Student Government at CMU	Pittsburgh, PA
'24-'25	Member , Newman Catholic Club at CMU	Pittsburgh, PA