Jennifer Lopez

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 Jen-Lopez

Education

New York University, *B.A. Computer Science*   Dec 2021

Coursework: Data Structures, Computer Systems Organization, Discrete Math, Operating Systems, Open Source Development, IOS, Web Design & Development, Applied Internet Technology, Agile & DevOps (F'21), Basic Algorithms (F'21)

work experience

Web Design Tutor + Administrator - NYU Courant

Oct 2019 - Present. New York. Remote.

- Help students master design principles and reinforce their understanding on HTML, CSS, JS.
- Provide oversight of remote tutoring and manage scheduling issues throughout the semester.

Software Engineer Intern - American Express

Jun 2021 - Aug 2021. Remote.

`Go` `Terraform` `Crossplane`

- Explored **IaC** (Infrastructure as Code) implementations to determine the feasibility of creating recipes that automates the deployment process for developers.
- Developed custom terraform and crossplane providers using **Go** to serve as **proof-of-concepts**, projected to reduce deployment time by at least 90%.

Software Engineer Intern - PagerDuty

Jan 2021 - Apr 2021. Remote.

`Elixir` `EmberJS` `MySQL` `Terraform`

- Built **terraform** modules that provisioned **AWS** resources (e.g., S3, RDS, ElastiCache, Elasticsearch) for several microservices across EU data centers.
- Enhanced team visibility on API usage and bugs by increasing logging and metrics monitoring via **Datadog** and **Sumo Logic**.
- Set up API permissions check and implemented the UI for new **anomaly detection** feature that will help customers better triage and respond to incidents.
- Received honorable HackWeek mention from company executives on **docDuty** — an initiative designed to **centralize** engineering documentation to increase developer productivity.

Teaching Assistant - Girls Who Code

July 2018 - Aug 2018. New York.

- Taught fundamental CS Skills (Python, JavaScript, C) to a classroom of 20 high school girls while fostering an inclusive sisterhood around the values of resilience and bravery.
- Assisted students in developing their final projects that promotes awareness on important social issues.

Projects

Tech@NYU Mentorship Database

Developed React app designed to connect undergraduate students with NYU alum mentors in tech.

FlixBox ↗

Built web app that makes choosing a movie to watch with family & friends *seamless*.

Utrend ↗

Utilized Swift to create an iOS app that enables users to create and share outfits with others. Intended to reduce overbuying and to promote the sustainability of what users already own.

Extracurricular Activities

Tech@NYU

- Founded and led a diversity program that aims to connect, support, and empower Black and Latinx students at NYU as they navigate careers in tech.
- Build and maintain the org's website.

CodePath

- Participant in Intermediate Software Engineering course that helps prepare for technical interviews.
- Participant in iOS course which involves designing and building fully functional apps in Swift.

Tools & Technologies

`Java` `HTML` `CSS` `JavaScript` `Go` `Elixir` `Python` `Git` `Jira` `Bootstrap` `MongoDB` `Terraform` `Buildkite` `Nomad` `Postman` `Vault`

Honors

Grace Hopper Scholar 2020, Rewriting the Code Fellow, CAS Dean's Honors List