





Jennifer Lopez

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 Jennlo.com

  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, Data Management (F'21), Basic Algorithms (F'21)

work experience

Software Engineer Intern - American Express

Jun 2021 - Present. 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.

Web Design Tutor + Administrator - NYU Courant

Oct 2019 - Dec 2020. 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.

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