

# Gabriel Peter

SWISS-AMERICAN · SOFTWARE ENGINEER

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## Education

### Northeastern University

RECIPIENT OF BACHELOR OF COMPUTER SCIENCE

Boston, MA

May 2022

### Harvard-Westlake High School

HIGH SCHOOL DIPLOMA

Los Angeles, CA

May 2018

## Experience

### Flexport Inc.

SOFTWARE ENGINEER AND SOLUTIONS ARCHITECT

Chicago, IL

June 2022 - Present

- Engineered company-wide taxonomy standardization tool impacting finance, cost-calculation, saving upwards of **\$ 4 Million** from cost leakage
- Heavy experience in python services and cloud architecture resulted in leading initiative for a scalable, robust in-house CSV parsing service.
- Spearheaded Large Language Model initiative to automate ingestion of unstructured contract data requiring effective contextual awareness

### WHOOP Inc.

JAVA BACKEND ENGINEER CO-OP

Boston, MA

July 2021 - November 2021

- Led Financial Infrastructure overhaul involving **8 engineers** and **10 Million** rows of customer data over two months.
- Wrote and executed Project Proposals for upper management approval before partitioning tasks into Sprints + Epics for fellow engineers.
- Engineered Kafka Event Stream Consumers to process **1 million** daily health payloads for database replication.

### Scientific Systems Inc.

PYTHON DEVELOPER CO-OP AND PART-TIME C++ DEVELOPER

Boston, MA

January 2021 - June 2021

- Collaborated on middle-ware tech stack rehaul for improved performance and longevity.
- Revived a deprecated real-time analytic tool which decodes and visualizes **gigabytes** of autonomous drone flight data using multithreading.
- Dockerized the desktop tkinter GUI for easy adoption by U.S. Military Clients.

### Visual Labs Inc.

FULL-STACK SOFTWARE ENGINEER INTERN

Palo Alto, CA

May 2019 - August 2019

- Developed Android and Web application features for production release.
- Invented bluetooth micro-controller to automatically trigger body-camera recordings.

## Certifications

AWS Certified Solutions Architect – Associate

DeepLearning.AI TensorFlow Developer Professional Certificate

## Skills

**Base Languages** Python, TypeScript, Java/Kotlin, JavaScript, Ruby, SQL

**JS Frameworks** Next.js, React, React-Native, Expo for Mobile Applications

**Data Science** tensorflow/keras, pandas, matplotlib

**Backend Frameworks** SpringBoot, Express, Django, Ruby on Rails

**Cloud Native & DevOps** Solution Architect with Amazon Web Services, Terraform, Docker, Kubernetes, Helm

**Hardware** Arduino, Raspberry Pi

## Projects

### FORM

- Designed a full-stack application (**React, Django, AWS, TensorflowLite, Docker**) to provide cloud-based analytics on uploaded weightlifting videos.
- In-house algorithm accurately counts the reps, calculates energy / force output, and lastly validates proper form per repetition.
- REST API supports: safe AuthFlow, **S3 bucket storage**, Queuing background tasks and cronjobs with Celery, Stripe Payment processing.
- ML Algorithms utilize Pandas, Numpy, Boto3, Sklearn to process **10,000** rows of keypoint positional data and then caches results for future queries.