

Gordon Ng

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Education:

Boston University

May 2022

- Bachelors of Computer Science

Select Courses: Computer Networks, Statistics, Data Structures, NLP, Distributed Systems

Programming Languages: Python (*Numpy*, *Tensorflow*), C++, Java, JavaScript, Typescript

WorkExperience:

Optum Health Group

Jan 2023-Dec 2024

- Implemented a research and search tool with LLMs to write small research queries to help multiple writing teams working on RFP and proposals.
- Created endpoints and pushed triggers to an email distribution list to speed up on-call notifies.
- Managed artifacts for many teammates in Docker in order to assist them all on project deadlines.
- Set up Kafka and confluent to test peer-to-peer encrypted messaging systems for the project MVP.
- Used schemas to construct paths to every value in other schemas to see if values are accurate programmatically in order to ensure correct naming formats for millions of data points.
- Followed up with teammates to get updates on architecture spanning different departments and handle documentation updates to personalized GitHub Wikipedia.

Blinkah- Startup

May 2020 – Aug 2020

- Built GPS software to detect pedestrians, ongoing traffic, and neighboring car lanes for enhanced car safety ratings with machine learning and OpenCV in Python.
- Filtered out images with a vanishing point and used image multiplication, and proceeded with Hough transform to isolate lanes for continuous lane detection, adding additional lanes to the system for enhancing detection rates by 66%.
- Well-informed about Jenkins CI/CD software and how it helps continuous contribution and delivery.

Projects:

EcoVue AR – Eco-Friendly E-Commerce Product Visualizer

Apr 2024- Jun 2024

- Facilitated 3D cursor vector points to map products to sculptures of humans to provide real-time product visualization for users
- Managed product design of simplicity and effectiveness for a better uiux to optimize customer experience
- Worked closely with ML mapping, innovating fps speeds for real-time video streaming to make the product
- Spoke with out-of-field people in order to analyze what other skills are required for project development.

EZML – Startup

Apr 2022-Sep 2022

- Coordinated with a team to produce working advertisements and web apps for presentation to prospective clients and provided live-demonstrations of product.
- Utilized Yolo-V8 to start the analysis on the tracking of sports balls to manage client data and test if the model would work on client data.
- Demonstrated expertise in machine learning algorithm analysis to benchmark statistics and help our customers use AI-powered analytics and smart surveillance.

Natural Language Processing – School Project

Mar 2021 – Jun 2021

- Generated text from pre-trained models and self-made fine-tuned models using Dataset's library, which helped identify themes in product reviews and outliers.
- Implemented text classification and language modeling for news framing to identify toxic speech, which could help identify false information.
- Researched different neural network formulations to achieve the least data loss for the given task, which helped train better language models with better perplexities.

Nutri-Snap– Beyond-Code Hackathon1 1st Place

Nov 2020

- Designed a mobile application with Figma and Visual Studio Code in React-Native, giving 10 people dietary plans to help them lose weight through better eating and logging food data in AsyncStorage.
- Discovered transfer learning and how to use Keras and loss functions to filter out image dropout to minimize data loss, along with REST APIs and use-State hooks in React Native and Python.