

Sunny Nagam

Software Engineer

Experience

Amazon

Software Engineering Intern

Toronto
June 2020 – Sept 2020

- › Worked with Supply Chain Optimization Technologies Group.
- › Utilized Python, Tensorflow and various AWS technologies such as Sagemaker, S3, and DynamoDB.
- › Applied Machine Learning algorithms such as Neural Networks and Random Forests to detect vendor charge back anomalies and improve Amazon operations.

Pason

Software Engineering Intern

Calgary
May 2019 – June 2020

- › Utilized Python to develop software used daily in hundreds of oil rigs around the world.
- › Utilized React and Git for development on new web-page.
- › Drastically increased speed of testing new features with new method of mocking hardware.

Hotchkiss Brain Institute

Software Engineering Intern

Calgary
May 2018 – May 2019

- › Utilized Python and Tensorflow/Keras and train big data models on a GPU cluster.
- › Improved model accuracy by 15%+ by implementing novel new input format and training process.
- › Constructed Convolutional Neural Network models to detect multiple sclerosis in MRI scans of the brain.

Projects

Drawing With Friends – NodeJS + Vue + MongoDB WebApp

Collaborative VueJS website with a live multi-user drawing board, user accounts, rooms, and messaging all stored in MongoDB.

Gymnos AI Gym Camera – Computer Vision ML Surveillance Camera

Uses machine learning model developed in Tensorflow to detect machine usage at the gym, integrates with camera connected to Raspberry PI running Linux.

Gravity Dash – Unity + C# Mobile Game

Mobile multi-level puzzle game where you guide a spaceship to safety by strategically placing gravity wells.

Machine Learning Flappy Bird – ML application/simulation

Creates a playable desktop flappy bird game and simulates an AI learning to play the game along side you over generations through a genetic learning algorithm.

Pants or Shorts – Android App

Recommends clothing based on a user's location and their previous preferences, with 700+ installs on the Google Play Store.

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🐙 github.com/sunnynagam

Education

University of Calgary

2016 - 2021 — Calgary, AB

Bachelor of Science (B.S) in
Software Engineering

Skills

Languages

Python
Java
Javascript
HTML
CSS
SQL
C#

Tools

ReactJS
Tensorflow
Keras
Git
VueJS
NodeJS
ExpressJS
Unity3D
Android Studio