

Adi Sharma

aditya.sharma1@uwaterloo.ca

github.com/adityas129

[linkedin.com/in/adityas129](https://www.linkedin.com/in/adityas129)

asharma.me

Education

BASc in **Computer Engineering**
Graduating **April 2022**
University of Waterloo

Skills

Languages

Python • Java • Ruby on Rails
Scala • SQL • C • C++ • JavaScript
C# • Go

Tools/Frameworks

Kafka • React • GraphQL • Node.js
Hasura • Hadoop • K8S • AWS
Spark • MySQL • Postgres • Thrift

Community Work & Awards

Contrary Fellow • 2021

Selective community (1.3% acceptance) of entrepreneurial engineers/designers

UW Coffee'N Code • 2020

VP Education - Lead a team of six to organize workshops including ML, Web Dev and Game Dev

HackMIT • 2019

Won 1st place out of 600+ for creating an dev-facing labelling software

Loran Scholar • 2016

One of 31 scholars selected out of 3000+ for leadership

Projects

LabelLearn

ML-Labelling Tool make labelling faster using MERN + Firebase

SixFeetAway

Developed a social-networking app with room based communication using Node, Dynamo, React + Typescript on AWS

Pipelined Processor

Processor capable of handling bypassing/race conditions in Verilog

Interests

Startups • Reading • B-ball

Experience



Tophatter

Software Engineering Intern

Sept 2021 - Jan 2022

-Working on the Video Feed, Core Infra and iterating on new features



Pareto

Founding Engineer

Apr 2020 - Jan 2021

-Designed and developed the tech infrastructure including backend, CI/CD, API, and cloud Infrastructure to ensure an optimal experience for > **2500 monthly active users**

-Built out the payment infrastructure to handle cash flow of upwards of **\$50,000 monthly** using Stripe Atlas

-Developed a knowledge graph tool using web scraping, Captain Data, and Diffbot to automate lead-generation, saving **4 hours per user each day**

-Hired and managed a team of **four developers** to refactor the entire web application codebase, and create internal tooling



Plastic Havas

Machine Learning Engineering Intern

May 2019 - Aug 2019

-Implemented OCR algorithms in OpenCV for autonomous driving and integrated them in an Android app from scratch

-Used StyleGAN, CNN + RNN, and Open-GPT2 to simulate a fake Instagram "influencer", achieving **150 followers**

-Created a **Django** based web app for better marketing workflow saving team on average **3 hours per week**



IBM

Cognitive Software Developer

Sept 2018 - Dec 2018

-Implemented multiprocessing to make data ingestion pipeline **30 times faster** than previous state, reducing data processing time for **3 days to 2 hours**

-Developed various **low-latency** ingestion services in Golang to interact with Cassandra and Consul reducing ingestion time from **2 hrs to 10 minutes daily**

-Developed **performant** data wrangling operations and exploratory data analysis using Tensorflow, pandas, and scikit-learn on **500 GB** of unstructured sensor data to help build a pump failure prediction model



Citco Fund Services

Software Engineering Intern

Jan 2018 - Apr 2018

-Developed a full-stack app to monitor health of APIs and services, and log the results, alerting service owner for ones that can't be triaged using Java, Hibernate, and SQLServer

-Logged the results and alerted owners for faulty services, reducing average service downtime by **3 days**

-Designed, developed and shipped a RESTful backend API for data transformation used by **seven** internal clients using C# and Entity framework



Shaw Communications

Software Engineering Intern

Jan 2017 - Apr 2017

-Decreased double AA accessibility issues on the entire platform by **48%** across the entirety of Shaw's main online platform and resulting in savings of **\$15,000**

-Visualized and analyzed customer base in Calgary using **Tableau** and recommended strategies for customer acquisition and growth