Noah Kusaba

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Technical Skills
- *Backend Developer:* Python, Flask, PostgreSQL, Pyspark
- *Data Pipelines:* Airflow, DBT, Snowflake, Fivetran
- *Devops:* Git, Linux, Docker, AWS (EC2, RDS, S3, Lambda, Redshift), GC (BQ, VM, Bucket)
- *Frontend Developer:* React, Javascript (Typescript, Node), HTML/CSS

EDUCATION

Queen's University   **Kingston, ON**
Mechanical Engineering (Honor's, Dean's)   2018 - 2021

EXPERIENCE

Data Engineer Intern   **New York City, NY**
Overtone AI   April 2023 - Present
- Developed ELT pipelines transforming audio news to text for use in ML models categorizing news segments connecting to Looker dashboards, providing analytics for prospective clients.
- Google Cloud Platform Tools: Big Query, VM, Speech-to-Text API, Sentiment Analysis API.
- Technologies: Python, SQL, Airflow.

Data Engineer / Website Manager   **Tokyo, Japan**
Green Pastures   May 2019 - Present
- Maintain and update Shopify store.
- Responsible for transition from Wix to Shopify website, to enable online ordering for coffee bean store.
- Developed ELT pipeline for inventory/order management pipeline using Shopify API with Fivetran, Snowflake, DBT.

Project: Fighting Map Tracker
- Website that tracks major fighting events (MMA, BJJ, Boxing, etc.) in a dashboard, with a marker on a large map to specify where it is occurring.
- Front-end hosted on Vercel, and written in React.js, CSS, and Map(LeafletJS).
- Back-end hosted on Render, and written in Python Flask with a PostgreSQL database.
- Web-scrappers written using BeautifulSoup & Selenium, with location information generated using Google Maps API.
- Hosted web-scrappers on AWS EC2 Linux server, and scheduled tasks with Apache Airflow.

Data Engineer Fellow   **New York City, NY**
Jigsaw Labs   Oct. 2021 - April 2022
- Part of the six-month 400+ hour project-based course studying both backend and data engineering
- *Backend:* Learned Python, SQL and Flask, and implemented design patterns like MVC, the adapter pattern, and ORMs
- *Data Engineering:* Implemented ELT pattern (using Fivetran, Snowflake, and DBT), and ETL pattern using airflow and redshift, and S3. Performed data modeling and queries according to both OLAP and OLTP design principles

Software Engineer Intern   **Wilmington, NC**
Rideplay TV   Dec 2022 - Jan 2023
- Established and wrote documentation standards for existing REST APIs.
- Documentation consisted of navigating LAMP stack code-base, identifying endpoints, and noting use and call methods.

Mechanical Design Engineer (EIT)   **Wilmington, NC**
Allen & Shariff   March 2022 - Jan. 2023
- MEP Engineering using AutoCAD and Revit modelling software.
- Responsible for calculating cooling/heating loads for AC systems, selecting ventilation equipment based on predicted occupancy, sizing pipe sizes for sanitary/supply pipes based on fixture counts.
- Only Mechanical Designer responsible for designing both HVAC & Plumbing designs at a company of 100+ people.

Mechanical Engineer **Kingston, ON**
Snapcab May 2021 - March 2022
- Designed models & drawings for custom products.
- Managed time sensitive projects to meet deadlines.
- Updated standard product models to align with production models in AutoCAD Inventor.
- Coordinated with vendors to ensure sufficient stock is available to fulfill job schedule.
- Conducted presentations on projections for vendor orders, using data from order history.

Queen's Aerospace Engineering Team **Kingston, ON**
- Worked with the mechanical engineering team in designing and constructing a drone & plane used in competition.
- Primary responsibilities included: Designing movable camera mount for navigation, producing parts using 3-D printing / Laser Cutting, and facilitating communication among disciplines.

Queen's Baja SAE Design Team (Dynomometer) **Kingston, ON**
- Worked with the dynamometer team to construct and repair a new engine test stand and a new dynamometer test setup, for gear ratio optimization, which hadn't been used for over eight years.

Project: Robotics Navigation Competition **Kingston, ON**
- Programmed and wired a Lynxbot using a Arduino Duemilanove microcontroller in C++, to complete a variety of navigation tasks.
- Examples include: navigating obstacles to predetermined locations, sweeping for light sources, then navigating to block the light.