

NOAH SCOLINOS KUSABA

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TECHNICAL EXPERIENCE

Data Engineering Fellow, Jigsaw Labs

January 2023 - Present

- Six-month data engineering bootcamp, with focus on job-market readiness.
- Developed skills in Python SQL, data modeling, database design, and API's.
- Experience using DBT, Fivetran, and ETL/ELT data pipelines.
- Deployment tools such as Docker and AWS tools.

Project: Event Map Tracker

- Front-end hosted on Vercel, and written in React.js and CSS, Map(LeafletJS).
- Back-end hosted on Render, and written in Python Flask with a PostgreSQL database.
- Web-scraper CRON-job for event data written in python using BeautifulSoup, with location information generated using the TomTom Geocode API.

Project: Personal Portfolio

- Code hosted on Github, website hosted on netlify.
- Designed website using: Html, CSS, React.js.
- <https://noahkusaba.netlify.app>

Project: Web Scraper API for Investing

- Designed an API, which scrapes news sites for articles relating to digital trends and assets, then outputting a json file sorted by article type.
- Designed in JavaScript using the Node.js runtime environment with frameworks such as: express.js, axios.js, cheerio.js
- Learned the intricacies of optimizing runtime using an asynchronous design.

Project: Robotics Navigation Competition

- 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.

Mechanical Designer (EIT), Allen & Shariff, Wilmington, NC

March 2022 – January 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, Snapcab, Kingston, ON

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.
- Established project file management standards and cleaned up the existing filing system.
- Conducted presentations on projections for vendor orders, using data from order history.

RELEVANT SKILLS

- Experience modelling in Autodesk Inventor, NX.10, AutoCAD, Revit.
- Strong Experience (2+ years) Coding in JavaScript (React.js, Node.js), Python.
- Moderate Experience (1+ years) in C++, SQL, Arduino, MATLAB.
- Bilingual in English, Japanese

EDUCATION

Bachelor of Applied Science: Mechanical Engineering 2018 - 2021
Queen's University, Kingston, ON

- First Class Honors

Bachelor of Engineering: Nuclear Engineering 2017 - 2018
Ontario Institute of Technology, Oshawa, ON

- Dean's/President's List

ADDITIONAL EXPERIENCE

Product/ Website Manager May 2019 – Present
Green Pastures, Tokyo, Japan

- Responsible for transition from Wix to Shopify website, to enable online ordering for coffee bean store.
- Responsible for overall maintenance, and updates.