

NOAH SCOLINOS KUSABA

TECHNICAL EXPERIENCE

Project: Personal Portfolio

- Code hosted on Github, website hosted on netlify.
- Designed website using: Html, CSS, Javascript (React).
- <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- Present

- 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 fulfil 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.

Queen's Aerospace Engineering Team, Queen's University, 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 (Dynamometer), Queen's University, Kingston, ON

- Worked with the dynamometer team to construct and repair a new engine test stand and a new dynamometer test setup, which had not been used in over eight years.

RELEVANT SKILLS

- Experience modelling with Factory IO, NX.10, Revit, AutoCAD, Autodesk Inventor
- Experience programming in C++ (Arduino), MATLAB, Python, JavaScript (React & Node.js), SQL, Linux
- 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

Website Manager

May 2019 – Present

Green Pastures, Tokyo, Japan

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