

About Me

A self-driven, well-rounded individual with an interest in creative work and design. Experience and coursework in many topics, such as engineering design, web design and UI/UX design.

Technical Skills

Figma

HTML/CSS

JavaScript

XD

Webflow

Illustrator

Photoshop

SketchUp

Python

MATLAB

AutoCAD

MS Office

Education

University of Waterloo
BASc, Honours
Nanotechnology
Engineering
2016-2021

Calarts (Coursera)
UI/UX Design
Specialization
2020

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Alina Pavel

Work Experience

Assembly Engineering Specialist

Toyota Motor Manufacturing (Woodstock, ON)

Winter 2020

- Assisted with the implementation and planning of Kaizen (improvement) projects to replace manually driven carts with autonomous vehicles (AGVs, SDVs) to eliminate over 200km/day of manned driving.
- Applied and worked with lean manufacturing principles such as 5S, Kanban, and Just-in-time in order to reduce muda (waste) and ensure efficient production.
- Improved project management skills by developing timelines, RFPs, bid specs, and participating in meetings with vendors & contractors.

Automation Specialist

Rockwell Automation (Cambridge, ON)

Fall 2018/Winter 2019

- Assisted with development of demo application for the annual Rockwell Automation Fair by troubleshooting and testing of PLC and HMI programs to ensure deliverables were completed on time.
- Performed general IT tasks such as troubleshooting, setting up servers and virtual machines, installing operating systems and software, and mapping networks.
- Collaborated with team members to perform testing of PLC applications and fix programming issues.

Engineering Co-op

IBI Group (Richmond Hill, ON)

Winter 2018

- Assisted with HMI (UI) development for a system controlling plant equipment in several Toronto Wastewater Treatment Plants.
- Participated in internal software testing to ensure functionality of HMI and PLC programs and logic.

SCADA Student

Cole Engineering Group (Markham, ON)

Summer 2017

- Gained working knowledge of PLC's and SCADA systems used in process automation, specifically in the water/wastewater industry.
- Managed design and planning of a tilt monitoring system used to transmit data from a slope failure site.