

Arnav Dalmia

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EXPERIENCE

Summer Student Intern, Pacline Overhead Conveyors

07/2023 – 08/2023

Mississauga, Ontario

- Operated **various industrial machinery** (e.g., angle grinder, welder, drill press, band saw, jig saw, automatic and semi-automatic saws, nail guns, drills, etc.).
- Received and executed work orders for **20+ company clients** in an industrial setting (including Walmart, Bastian TJX, etc).
- Proficiently assembled precision parts, including lubricators for conveyor drive units.

Freelance Part-Time Web Developer

01/2022 – present

- Directly communicated with clients and understood website requirements
- Designed website using HTML and Bootstrap Framework
- Performed maintenance per client suggestion

SHAD Western 2022 Winner

07/2022 – 08/2022

London, ON

At the University of Western, Ontario, I was admitted into a highly competitive STEAM summer program called SHAD Canada. At SHAD I participated in the design team project where I created the MedLet. The MedLet is an NFC-powered medical bracelet that was designed to assist with the wellbeing of parents for their children.

- Designed wristband using SOLIDWORKS
- Programmed Website using HTML and Bootstrap
- Programmed NFC Chip using NFC Tools and proof of concept using Python

Small Business Owner

09/2020 – 2023

Mississauga, Ontario

- Computer Science Tutoring : Taught Python 3 as well as fundamental programming logic to a beginner level
- Computer and Keyboard Builder : Built and designed custom pc's and keyboards directly to clients

EDUCATION

Candidate for Bachelor of Applied Science - Systems Design Engineering,

09/2023 – present

University Of Waterloo

Waterloo

Won President's Entrance Scholarship - High School Average of 94.5%

SKILLS

Computer Skills

Tools/Technologies : Apple and Windows Ecosystems, SOLIDWORKS, MATLAB, Circuitry

Languages : Proficient in Python, Java, HTML, Git, studying C++ and SQL

AWARDS

TD Achieve the Dream scholarship

Top Scoring Project of 2022 Design Project Competition, SHAD 2022 U.W.O.

Top 10 Orals AAM Regional, DECA

LEARN PYTHON 3 COURSE, CODECADEMY

100% - Completion

FRC Team 1325, FIRST

Excellence in Engineering Award, District Winner throughout 2022 and 2023 seasons

Euclid Math Contest 2022 - Top 25%, University of Waterloo