

ALLISTAIR COTA

DATA SCIENTIST

EXPERIENCE

Mechanical Designer | Husky Injection Molding Systems

AUG 2017 - AUG 2021, BOLTON, ON

- Led engineering tasks for cost reduction initiatives amounting to \$200k annual savings.
- Developed design guidelines for deployment to Standards and Production teams.
- Supported service issue investigations with root cause analysis and applying containment and corrective actions.
- Analyzed and optimized designs using FEA and CFD analysis.

Mechanical Designer Intern | Husky Injection Molding Systems

MAY 2015 - AUG 2016, BOLTON, ON

- Managed pilot testing project for Self-Cleaning Mold product line by writing test plans, designing and ordering test parts.
- Supported validation team with instrumentation, test execution and results analysis.
- Maintained up to date documentation including design and hand-off documents.

EDUCATION

BrainStation | Diploma in Data Science

SEP 2021 - DEC 2021, TORONTO, ON

University of Toronto | Bachelors in Mechanical Engineering, Minor in Robotics and Mechatronics

SEP 2012 - JUN 2017, TORONTO, ON

- Dean's Honours List

PROJECTS

Restaurant Rating Predictor | Capstone Project

OCT 2021 - DEC 2021, BRAINSTATION

- Utilized NLP and machine learning to build a model that predicts restaurant ratings on Yelp given business attributes and user reviews

[TurtleBot Robotics Project](#) | Lead Coder

JAN 2017 - APR 2017, UNIVERSITY OF TORONTO COURSE PROJECT

- Programmed a mobile robot in C++ and ROS to perform autonomous mapping and localization, object identification, and robot-human interaction.

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github.com/allistaircota

<https://allistaircota.github.io/>

PROFILE

I believe that data-driven decisions and solutions are key to moving businesses and communities forward.

Coming from an engineering and product development background, I have demonstrated strong analytical, problem-solving, and communication skills.

As a data scientist, these skills allow me to uncover insights from data, make business recommendations and deliver data solutions to the problem at hand.

SKILLS

- Python, R, SQL, MATLAB, JavaScript, C++
- NumPy, Pandas
- Scikit-Learn
- Keras, PyTorch
- NLTK
- Tableau, Matplotlib, Seaborn, Plotly Express, D3.js
- AWS, Hadoop, Spark, Hive
- Git and Command Line
- Hypothesis Testing, A&B Tests
- ROS, OpenCV