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**Christopher Habib**

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## **SUMMARY**

*Data Analyst with a background in Mechanical Engineering. Currently completing the Data Analytics program at the University of Toronto to develop and refine my skills in Python, SQL, HTML, Javascript among many other tools. I enjoy developing and implementing process improvement activities, as well as making well informed decisions based on relevant and accurate data.*

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## **TECHNICAL SKILLS**

### **DESIGN TOOLS:**

- SolidWorks
- AutoCAD
- PSPICE (Circuit Design)
- ANSYS Workbench
- Minitab

### **CODING:**

- PYTHON
- SQL
- MongoDB
- VBA
- HTML
- MATLAB

### **SOFT SKILLS:**

- Team work and coordination
- Written and verbal communication
- Bilingual in French

## **EDUCATION**

### **Data Analytics Bootcamp**

*University of Toronto – Graduating July 2019*

### **Bachelor of Applied Science and Engineering**

*University of Toronto - Graduated June 2018*

*Department of Mechanical and Industrial Engineering with a minor in Business*

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## **PROFESSIONAL ENGINEERING EXPERIENCE**

### **PRODUCTION ENGINEERING INTERN, REFCO Metals ([refcometals.com](http://refcometals.com))**

**Manufacturing of automotive aluminum parts (Jaguar, Jeep, Land Rover)**

**July 2016 – July 2017**

- Factory Improvement Projects
  - Proposed new standards for factory machinery
  - Generated & implemented Standard Operating Procedures
  - Optimized cell layouts and cycle times
- Inter-departmental coordination
  - Organized process enhancement meetings
  - Represented the Production Engineering team in 8D Quality meetings
  - Planned factory tools for contractors & prospects
  - Managed man-power

## **ENGINEERING PROJECTS**

**Personal Urban Mobility Access (PUMA),** *General Motors/University of Toronto*

**Team Member**

***September 2017 – April 2018***

- Design of a lightweight, portable, short range vehicle
- Compile detailed engineering reports highlighting key design features and requirements
- Present conceptual design to international colleagues and faculty in Beijing, China
- Manufacture & present prototype to the client, faculty and other industry leaders

**Optimizing Jeep Production Cell Layout,** *REFCO Metals*

**Team Member**

***May 2017 – June 2017***

- Reduce production cycle times as to meet production quotas
  - Compile new work instructions and train operators accordingly
  - Reduce number of operators in production cell
  - Design new layouts to maximize space efficiency and reduce travel distances
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## **DATA ANALYTICS PROJECTS**

**Chicago Crime Analysis,** *Python, Excel*

**Team Member**

***March 2019***

- Analyze impact of socio-economic factors on Chicago's crime rates
- Predicted crime rates based on historical data

**Drug Side Effect App,** *Python*

**Team Member**

***April 2019***

- Developed basic code to return a list of non-compatible side-effects based on drug and lifestyle data

**VBA of Wall Street,** *VBA (Visual Basic)*

***April 2019***

- Wrote a VBA script to return yearly performance summaries for hundreds of Wall Street stocks
- Color-coded performance for better visual representation of reports