

BACKGROUND

**Entry-level data analytics
& Intermediate-level
materials/mechanical
engineering professional:**
Looking for a position in
Engineering, Consulting,
Data Analytics where I can
apply my skills and grow
with the company.

HIGHLIGHTS

- MySQL/Big Query
- R programming
- Matlab
- python
- Google Sheets/Excel
- Tableau
- Microsoft Office Suite
- Chartered Financial Analyst
(CFA LEVEL I)

EDUCATIONS

MASTER OF ENGINEERING

University of Toronto
Sept 2018 – Nov 2019
- GPA: 3.83

BACHELOR OF APPLIED SCIENCE IN MATERIAL SCIENCE AND ENGINEERING

University of Toronto
Sept 2014 -- Apr 2018
- Graduated with Honor
- GPA:3.67

PERSONAL PROJECT

Data Analysis code for Bellabeat
<https://www.kaggle.com/ceciliajw>
Python 3 Demo:
github.com/jiayi-cecilia

JIA XI (CECILIA) WANG

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EXPERIENCES

DESIGN ENGINEER

• APR BEAUTY GROUP

• TORONTO, ON • NOV.2020 – JUN.2021

- Responsible for building CAD models and preliminary prototypes. Created innovated engineering designs and contributed to cosmetic business consultation for collaborated cosmetic brands, including DIOR, MAC, NARS, SCENTBIRD etc.
- Responsible for managing team and stakeholder's expectations, connecting business objectives to data analysis, independently reviewing drawings, accessing quality, applying project data preparation/analysis through SQL/Excel, and assisting with reports.
- Utilizing effective teamwork skills and marketing strategies when collaborate with a diverse team of colleagues in a fast-paced working environment.

RESEARCHER

• LABORATORY FOR EXTREME MECHANICS & ADDITIVE MANUFACTURING

• TORONTO, ON • SEPT 2018 – AUG 2019

- Nanoindentation Project on Metastatically involved bone collaborated with Sunnybrook Hospital.
- Hypothesized method of measuring fracture toughness of trabecular bones through using nanoindentation and FIB milled micropillars within SEM
- Using SQL for database cleaning and analysis, Tableau for data visualization

PROJECT DESIGNER

• INSTITUTE OF BIOMATERIALS & BIOMEDICAL ENGINEERING, UNIVERSITY OF TORONTO

• TORONTO, ON • SEPT 2017 – APR 2018

- Provided conceptual design of an impact force tracking device for amateur adolescent athletes: ImpactCAPture. Preliminary accuracy testing results of the device achieved a baseline level of impact parameter collection accuracy
- Responsible for building CAD models and preliminary prototypes using 3D printer. Also involving data assessment and visualization by using SQL and R.

RELEVANT SKILLS/EXPERIENCES

- **Google Data Analytics Professional Certificate, Coursera 2021**
Accomplished with excellent understanding and proficiency of platforms for effective data analysis, including SQL, Google Sheets, Excel and R.
- Strong organization and able to communicate effectively and combine both technical and business perspectives
- Keen attitude in learning new skills, programming languages and solving business problems
- Volunteer for Osteoporosis Department in Women's College Hospital 2019