

# CHENG ZHANG

## DATA SCIENTIST

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### EXPERIENCE

#### Independent Media Writer | WeChat

JAN 2018 - PRESENT, REMOTE

- Focusing on the details and patterns of things
- Presenting insightful findings in a storytelling way
- Critical thinking and Creative writing mindset

#### Science Student Mentor | University of Waterloo

JAN 2017 - 2018, WATERLOO, ON

- Communicating agile feedbacks from students and professors to improve course experience
- Teamwork collaboration with other mentors to improve students study experience in science faculty

### EDUCATION

#### BrainStation | Diploma Candidate, Web Development

JAN 2020 - MAR 2020, TORONTO, ON

#### University of Waterloo | Bachelor of Science, Mathematical Science (Hons.)

SEP 2016 - 2019, WATERLOO, ON

### PROJECTS

#### Recommendation System Project | BrainStation

2020, TORONTO, ON

- Familiarised with recommendation system engine
- Learned about how to complete model evaluation & statistical tests

#### Disaster Response Project | BrainStation

2020, TORONTO, ON

- Built ETL and ML Pipelines to facilitate data processing
- Implemented NLP in sentiment analysis

#### Astronomy Capstone Project | BrainStation

2020, TORONTO, ON

- Machine learning on data classification, clustering and regression
- Manipulating and optimizing data modeling performance
- Deep learning on images classification and detection
- Becoming familiar with cloud computing and Big Data

### SKILLS

Python, R, SQL, MATLAB, Git,  
Tableau, Big Data, Machine  
Learning, Deep Learning

### PROFILE

I am a new graduate with a background in mathematical physics who is passionate about joining the data science industry. At BrainStation I refined my skills through multiple projects, and have become even more excited about mining hidden insights from large volumes of data. I love to find valuable patterns and interesting details from data. I truly believe that data science will eventually impact every industry. Therefore, I want to begin my career as a data scientist. A data scientist has the ability to reform how people think about data and transform that data into assets.



# Cheng Zhang

Insightful, Thinking outside the box, Zen, Book  
Blogger, Mindset

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Storytelling skills and physics mindset can benefit me in grasping new ideas in data science. I was major in mathematical physics that makes me understand data science in a profound way. As a blogger, the perseverance in picking out useful information and transforming it into valuable insights is becoming one of my inspirations. Throughout years, I have been pursuing an independent mindset of creativity. And I also keep the ambition to improve my data science skills in the workspace.

## Capstone Project - Ninja Road of Modelling: Particles Classification CERN

Multipile-class classification by using both machine learning & deep learning models for the best accuracy.

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