

# Kevin Sia

## DATA SCIENTIST

### EXPERIENCE

#### Management Associate - Operations | Stelco

JAN 2018 - OCT 2019, NANTICOKE, ON

- Queried and analyzed data to troubleshoot various types of mill delays and hot rolling issues
- Headed a project with a data analytics contractor to identify contributing factors in hot rolling strip control problems, involving querying and cleaning a large dataset
- Supervised a unionized workforce of 15 people in the Shipping and Logistics department, developing interpersonal and decision-making skills while quickly learning shipping systems
- Coordinated process trials with 2 operations teams to confirm yield losses from reheat furnace scale

#### Engineering Intern | Stackpole

MAY 2014 - AUG 2015, MISSISSAUGA, ON

- Collaborated with multiple departments to create and improve manufacturing process documents
- Conducted ergonomic and time studies to design more efficient production line workflows
- Demonstrated project management abilities, interpersonal skills, and developed technical knowledge in improving the performance of a vision inspection machine with its manufacturer

### EDUCATION

#### BrainStation | Diploma Candidate, Data Science

JAN 2020 - MAR 2020, TORONTO, ON

#### McMaster University | Bachelor of Engineering, Mechanical

SEP 2010 - JUN 2016, HAMILTON, ON

- Graduated summa cum laude
- Dean's honour list 3 years

#### University of Toronto | Master of Applied Science, Aerospace Computational Engineering (Incomplete)

SEP 2016 - FEB 2017, TORONTO, ON

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<https://github.com/kevin-sia>

### SKILLS

Python, MySQL, R, Excel, MATLAB, Hypothesis Testing, Matplotlib, Seaborn, Plotly, Bokeh, Tableau, TensorFlow, Keras, PyTorch, AWS, Hadoop, Spark, Hive

### PROFILE

A math-minded data scientist who is constantly curious to explore insights through data, especially in the areas of basketball, music, urban issues, and human behaviour. My engineering and manufacturing background gives me the analytical and critical thinking skills needed to work effectively with data.



## Kevin Sia

aspiring jazz pianist, reputable 3-point shooter in pickup basketball, long-time craft beer enthusiast, forever fascinated by calculus, lover of all things culture and cuisine

My engineering background has trained me to always approach problems with critical thinking and a mathematical mindset - I graduated summa cum laude which proves how well I do that! Since data science can often be an art more than a science, I am always open to new ideas and love to learn about how others approach data problems, but am also willing to argue my standpoints. I enjoy working with data so much that sometimes it genuinely keeps me up at night!

### Capstone Project - Exploring Topics in the #NBA Twittersphere

Application of unsupervised machine learning models to discover NBA topics on twitter

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