

# Kevin Dang

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## SKILLS

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**Languages** Python, R, SQL, SAS, Stata, HTML, CSS  
**Software/Tools** PowerBI, Tableau, Excel, Denodo, GitHub, ArcGIS, LaTeX

## EXPERIENCE

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### Medical Data Analyst

GLOBALDATA PLC

Sep. 2020 - Present

Toronto, ON

- **Automated** multiple steps for a **global medical device pricing tool**, including data cleaning & **winsorization** in **Python**, **pivot tables** & client files in Excel, reducing analyst hours by more than **50%**
- Performed frequent health checks on the **Medical Intelligence Centre** and core databases to ensure that clients have access to the most accurate and latest information
- **Wrote articles and press releases** about topics related to the medical device industry to promote GlobalData's profile and capture the attention of news outlets

### Junior Associate, Business Intelligence, Reporting & Analytics

EXPORT DEVELOPMENT CANADA

Jun. 2020 - Present

Ottawa, ON

- **Created dashboards in PowerBI** and Excel to provide summaries of targets and results for senior management and clients
- Produced weekly financing reports and automated multiple steps by using macros, functions (**vlookup, index & match**) and running **SAS EG** projects & process flows
- **Mentored and provided guidance** to new interns, ensuring a seamless transition into their new role

### Data Analyst

UNIVERSITY OF TORONTO - CENTRE FOR INDUSTRIAL RELATIONS AND HUMAN RESOURCES

Sep. 2019 - Jun. 2020

Toronto, ON

- Spearheaded data analysis portion of research project about agriculture worker wages led by **Dr. Greg Distelhorst**
- Performed **data cleaning** and **data wrangling** on millions of rows of data using the **dplyr, tidyr** and **lubridate** libraries
- Visualized relationships between variables and time trends with **ggplot2** using technical details and explanations geared towards a non-technical client
- Built a **data pipeline** in **RStudio** which took raw datasets as inputs to produce a consolidated file that is ready for analysis

### Statistical Consultant

UNIVERSITY OF TORONTO - DEPARTMENT OF STATISTICAL SCIENCES

Sep. 2019 - Apr. 2020

Toronto, ON

- Wrote a report containing data analysis work in **RStudio** for a management consulting firm to answer business problems related to improving the health of users of their platform
- Completed a data analysis project to determine the effect of **auditory distraction on cognitive flexibility** for university students and made informed recommendations to improve study habits

### Research Assistant

ROTMAN SCHOOL OF MANAGEMENT

May 2018 - Aug. 2019

Toronto, ON

- Worked with **Dr. Chris Liu** and a team of graduate students on projects about scientific publications and careers
- Queried scientific databases using **Python-based API-Wrappers**, built a **data pipeline** in **Jupyter Notebook** using **Pandas dataframes** and exported data for a collaborative research project with **Dr. Waverly Ding**
- Manipulated and merged large datasets in **Stata**, extracted desired information, cleaned data and generated new variables

## PROJECTS

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### The Impact of an Earnings Call on a Firm's Share Price

- Performed sentiment analysis using **TF-IDF** to create a custom dictionary of sentiment scores based on the training data of quarterly earnings call transcripts and created data visualizations using **seaborn** and **matplotlib**
- Used sentiment scores and word count as model inputs, obtained mean squared errors of 0.000774 and 0.001384 using **k-nearest neighbours** and **XGBoost** algorithms respectively

## EDUCATION

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### University of Toronto

HONOURS BACHELOR OF SCIENCE

2016 - 2020

- **Applied Statistics Specialist**, Mathematics Minor