

CANBERK KANDEMIR

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EDUCATION

2016-2020 **University of British Columbia** **Vancouver, CA**
Bachelor of Arts Interdisciplinary Studies
Core modules: *Quantitative Economic Modelling with Data Science Applications, Applied Economics, Data Science, Data Structures and Algorithms, Statistics and Probability, Cognitive Psychology, Cognitive Systems*

TECHNICAL SKILLS

Programming Languages: *Python R, Julia, PostgreSQL, Stata, Scala, Java, Shell*
Mark Up: *Latex, JavaScript, HTML, CSS*
Tools & Frameworks: *Git, ReactJS, AWS, jQuery, Bootstrap, MS Office, MongoDB, Tableau, PowerBI*

WORK EXPERIENCE

2020 **KPMG – Data Analyst (4 months)** **Istanbul, Turkey**

- Navigated data-related projects on python and drove business intelligence insights for clients
- Executed HR analytics algorithms to minimize employee turnover rates. Created a machine learning model through KNN to classify employees that are more likely to quit their jobs
- Built an automated chat-bot for KPMG with NLP by using HR data and corpus

2018 **Renaissance Construction – Project Management Intern (3 months)** **Moscow, Russia**

- Researched and developed budgeting strategies to reduce variable costs incurred for the construction of the Federation Tower in Moscow
- Implemented relational models with correlation matrices to determine the most cost-efficient, and effective resources of construction materials
- Assisted in the design of a robust budget plan and reduced constructions costs by 15%

2017 **Ernst & Young – Transaction Assurance Intern (3 months)** **Istanbul, Turkey**

- Examined financial records and ensured draft financial statements were accurate and consistent with industry standards
- Applied quantitative strategies and valuation methods to analyze the financial and operational performance of 23 target companies by reviewing accounting records

PROJECTS

2020 **Voice Assistant | Python, Google's API, Selenium**

- Developed a voice-activated assistant on Python to perform various functions such as translation, google search, playing songs on YouTube/Spotify, launching programs, quadratic calculations and so forth. [M](#)

2019-2020 **Trading Bot Algorithms on SP500 | Python, XGBOOST,**

- Developed trading bots with Python for S&P 500 with technical indicators, and stochastic processes, and more recently created trading strategies with neural networks. [Algorithm](#)

2020 **Wine Classification | R, KNN**

- Built a KNN classification model in R to classify high-quality white and red wines from Kaggle's wine data. Performed a heat map to visualize correlations of present chemicals with quality. Achieved 80% accuracy in our predictions. [Wine](#)

2020 **Emotion Recognition | Python, OpenCV, Keras**

- Developed an Emotion Recognition algorithm with OpenCV and keras from Kaggle's fer2013 database. [fer](#)

2020 **PUMF Data for Wage Prediction | STATA**

- Explored the relationship between the level of education and salary: returns to schooling. Performed Multivariate regression with STATA to see the impact of education and on salary by instrumenting the work hours. Model explains 10% of the data variation in the sample. Available on my GitHub in the repository. [PUMF](#)

PROGRAMMING CERTIFICATIONS

2020 [KPMG Data Analytics Consulting](#)
2020 [Machine Learning Scientist with Python Track](#)
2020 [Data Scientist with Python Track](#)
2019 [R Programming](#)
2019 [Bloomberg Market Concepts](#)