

# Kerim Sertturk

engineer - analyst - developer

## Work Experience

May 2018 - **Reliability Data Analyst (Co-op)**, *Hydro One Networks*, Toronto, ON

- Aug 2019
- Utilized Excel and R to analyze large datasets and derive insights of reliability performance; regularly produced reports for customers and presented results to managers
  - Developed an application with a Graphical User Interface using Python to extract data and calculate various statistics, decreasing the time the process took by 85%
  - Initiated a project to scrap weather data using Python and map them to electricity outages
  - Lead team-wide adoption of Tableau by creating interactive visualizations of reliability performance
  - Managed a power system analysis and data management project to identify interruptions affecting generators in Ontario, ultimately building a database utilized for various reliability studies

Jun-Jul 2017 **Computer Vision Research Intern**, *Arcelik A.S.- R&D*, Istanbul, TUR

Jun-Jul 2013 **Energy Trade Analyst**, *Karadeniz Energy Group*, Istanbul, TUR

## Education

Sep 2014 - **University of British Columbia**, *BAppSc Electrical Engineering*, Minor in Political Science

May 2020 International Leader of Tomorrow Award: distinct scholarship within UBC covering all tuition expenses

## Projects

Sep 2019 - **Machine Learning to Accelerate Drug Design**, UBC Capstone

April 2020 Collaborated in a team of five to build an image segmentation ML model using Python (PyTorch), achieving a 5% performance increase compared to previous semi-automated tools. An overview of the project is best covered in the [video I produced](#) for the team

April 2020 - **Full Stack Development - [kerimsertturk.ca](http://kerimsertturk.ca)**

- Present
- Built a Python scraper to record open-access academic papers that I viewed while browsing, and built a modifiable MySQL database of the papers and another table that logs changes
  - Developed a French linguistic dashboard utilizing REST APIs and JavaScript for a demo, login with username "guest" and password "raptors", then navigate to projects

## Technical Skills

Programming Python [PyTorch, NumPy, Pandas, PyQt], MySQL, PHP, JavaScript, R, LaTeX, SSH

Other MS Office, HTML & CSS, DaVinci Resolve 16, Adobe Illustrator & Photoshop