Chan **Kim**

Data Analyst · Engineer in Training

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Summary

University of Waterloo engineering graduate and an aspiring data analyst with two years of experience in private environmental consulting collecting, transforming, and organizing data to help make data-driven decisions for developers. Excellent understanding and proficiency in platforms for effective data analyses, including SQL, spreadsheets, Tableau, R, and Python. Positive and flexible team player with excellent interpersonal, written and verbal communication skills and the determination to dig deep to understand complex problems and find elegant solutions.

Skills

Languages	SQL, PostgreSQL, R, Python, MATLAB, Markdown, LaTeX, HTML, CSS
Applications	pgAdmin, BigQuery, SQLite, RStudio, Git, Excel, Google Sheets
Data Visualizations	Tableau, Power Query, Power BI
Libraries	tidyverse, ggplot, janitor, NumPy, Pandas

Certificates

Google Career Data Analytics Certificate   *Coursera, Online* Nov 2022
- Gained an immersive understanding of the practices and processes used by data analyst
- Formally learned key analytical skills (data cleaning, analysis, visualizations) and tools (spreadsheets, SQL, R programming, Tableau)
- Practiced cleaning and organizing data for analysis, completing analysis and calculations with Google Sheets, BigQuery, and RStudio Cloud
- Introduced to visualization and data presentation using dashboards, presentations, and common visualization platforms

Pierian Training The Complete SQL Bootcamp 2022   *Udemy, Online* Aug 2022
- Learned foundational SQL syntax and practiced advanced queries with PostgreSQL and PgAdmin

365 Careers Statistics for Data Science and Business Analysis   *Udemy, Online* May 2021
- Refreshed fundamental statistics concepts including hypothesis testing and regression analysis

Projects

Case Study Bellafit with R   *Nov 2022 - Present*
- Analyzed public Fitbit data to identify smart device usage trends by users to recommend a marketing strategy
- Practiced documentation skills with Markdown language in Kaggle/Jupyter notebooks
- Performed analysis with R using common packages such as tidyverse, janitor, and ggplot and explored their capabilities

Google Docs Data Aggregation Python Script   *May 2021*
- Created a Python script that effectively aggregated a large quantity of text data by filtering and sorting it into an organized summary document

Education

University of Waterloo B.A.Sc. Honours Environmental Engineering   *Waterloo, Ontario* Sep 2015 - Jun 2020
- Recipient of Mechanical & Mechatronics Capstone Design Engineering Design Process Award
- Hackathon Finalist in 2020 Hack the Plastics as the team leader, Down 4 Good
- Recipient of University of Waterloo President's Scholarship

Experience

Terrapex Environmental Scientist | Geotechnical Field Inspector   *Toronto, ON* May 2021 - Present
- Test and collect various environmental and geotechnical site monitoring data and verify the data for analysis and technical report
- Significantly streamlined data entry process by creating an elegant Excel solution that automatically produces report tables and figures
- Plan and coordinate the data objectives for site visits, prepare and organize all the necessary tools and equipment, and carry out the fieldwork
- Program, install, and collect remote water level sensing data loggers, transfer and filter the data for hydraulic conductivity tests
- Detected a discrepancy in a contractor's equipment usage billing and mitigated potential financial loss for the client
- Promote safety-first culture by leading site safety meetings and persistently preparing health and safety plans and job safety analysis document