daniel kwon

danielkwon.ca
daniel.kwon@uwaterloo.ca
linkedin.com/in/danielkwon99

experience

Technical Program Manager
Cognite │ Oslo, Norway │ April 2020 - June 2020

Strategized and executed the digitization of client data management and analytics by identifying goals, evaluating use cases, and prioritizing sprints

Facilitated communication on project roadmapping and task allocation between **30+ intercompany stakeholders on 2 concurrent projects**

Communicated technical solutions to the client's business and engineering audiences through **bi-weekly presentations and demonstrations**

Performed **5+ user interviews** to understand customer pain points and distill highly-specialized domain expertise into functional requirements

Data Engineer
Cognite │ Oslo, Norway │ January 2020 - March 2020

Architected an enterprise solution to automate the simulation & visualization of oil & gas reservoirs, eliminating **12+ weeks** of annual engineering work

Developed & deployed **2 ETL pipelines** for data ingestion using Azure Cloud Services such as Azure Functions, Power Automate, DevOps, etc.

Developed **5+ Power BI reports** to enable cloud-based analytics for a variety of engineering and financial data use cases

Data Engineer
The Globe & Mail │ Toronto, Canada │ May 2019 - August 2019

Enabled quantitative analysis on user behaviour by developing data models & visualization methods for user journey analysis using Neo4j and Databricks

Designed **SQL tables for funnel analysis** by consulting data analysts on analytical requirements and translating them into technical specifications

Decreased processing time of data by **88%** by optimizing querying, caching, partitioning, & writing of data with REST APIs & Apache Spark

Solution Engineer
Accedo.tv │ Toronto, Canada │ September 2018 - December 2018

Analyzed customer segmentation and relationships by creating **data visualizations** on historical client engagements in Google Data Studio

Built **customized product demos** to support RFI/RFP engagements by highlighting product features aligned with client business needs

Implemented a product feature request process to distill feedback from client-facing teams into usable data for **product roadmapping** in JIRA

skills

product
Data Analysis, System Architecture, User Research, UI/UX Design, Usability Testing

tools & technologies
SQL, Python, JavaScript, C++/C, HTML/CSS, Bash, XPath, Cypher

Apache Spark, Databricks, Docker, Neo4j, Git

Figma, Axure RP, Balsamiq, Adobe Creative Suite

Tableau, Power BI, JIRA, Salesforce Microsoft Office

education

University of Waterloo
BASc, Systems Design Engineering
Expected April 2022

Relevant Courses:
Data Structures & Algorithms (C++)
Probability & Statistics
Human Factors in Design
Design, Systems, & Society
Economics of Design

awards

1st │ Product Problem Pitch
Data modelling & UI/UX redesign for a volunteering platform to increase engagement

2nd │ Microsoft Case Competition
Feature addition for OneNote to increase sales of Surface products for post-secondary markets

hobbies
Youtube Creator
   youtube.com/16weeksofinternships

Ski Instructor

Photographer