daniel kwon

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experience

Technical Project Manager
Cognite | Oslo, Norway | April 2020 - Present

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

Collaborated with **15+ stakeholders** across **3 companies** on a **$250,000+** development contract, later securing **$100,000+** for further expansion

Prioritized sprint backlogs by identifying key customer value propositions, dependencies, & optimizing available resources

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

Liberated segregated client data into a contextualized model of assets, enabling scalable analytics across their organizations

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

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

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

Identified web tracking issues causing data loss in **25%** of ad data & recovered **65%** of missing data through interpolation using Apache Spark

Translated analytical requirements into technical specifications by consulting business analysts on funnel analysis needs

leadership

Lead Organizer
TEDxUW | Waterloo, Canada | March 2018 - February 2019

Led a **team of 25** to plan & execute a **500 attendee** TEDx conference which obtained a **net promoter score (NPS) of 72**

Negotiated **$25,000** in sponsorships by pitching business opportunities, identifying value propositions, & managing stakeholder relationships

Defined timelines & key performance indicators (KPIs) by collaborating with & delegating tasks to sub-team leads

skills

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

tools & technologies
SQL, Python, Apache Spark, JavaScript, C++/C, HTML/CSS, Git

Figma, Axure RP, Balsamiq, Adobe Creative Suite

Tableau, Power BI, JIRA, 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 hierarchy & UI/UX redesign for a volunteering platform increasing engagement using data analysis & user-centered design principles

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