JAE-BEOM BAE

SR. CONSULTANT, ENERGY MARKET ANALYTICS

INFO

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Denver, USA

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LINKS

jbbae.github.io

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SKILLS

Energy Markets

SQL

Data Visualization

Python

Product Management

Data Science

Excel VBA

ReactJS

JavaScript

Machine Learning

LANGUAGES

Spanish
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Korean
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HOBBIES

Tennis, Soccer, Startups, Travelling, Cooking

EMPLOYMENT HISTORY

Sr. Analytics Consultant, PA Consulting
Denver, CO

Sep 2018 — Present

- Led capacity markets team, overseeing data-intensive analyses for electricity markets across North America, supporting >$30B in power M&A deals.
- Advised developers, utilities, financial institutions on investment strategies by helping executives understand key market trends & opportunities.
- Managed >30 projects in fast-paced environments, spearheading quantitative energy market analysis and presenting results to key client executives.
- Boosted team efficiency by introducing Agile to our projects, saving >$3M/yr.

Analyst - Consultant Analyst, PA Consulting
Denver, CO

Sep 2015 — Sep 2018

- Developed core analytical models for capacity markets & renewable forecasts (using Excel, SQL, VBA), improving efficiency by 50% (saving $1M/yr).
- Conducted techno-economic portfolio optimization for major Midwest utility (>2 GW), advising C-suite execs on their 30-year resource planning strategy.
- Built data visualization app (front-end in JS, ETL in Python) for largest power utility in U.S., equipping executives with insights for data governance strategy.

PROJECTS

Founder & Full-Stack Developer, PathBase

Jan 2015 — May 2019

- Built "AI Career Coach" app that helps young professionals build powerful careers by spotting skill gaps & recommending top resources to improve.
- Led cross-functional team by driving product strategy from conception to launch, using user feedback & metrics to define feature roadmap.
- Spearheaded UX, web dev, and data science of Beta product (fully self-taught).
- Implemented major feature & UX improvements guided by product analytics, boosting conversion & engagement by >50%.

EDUCATION

Data Science, Udacity
Denver, CO

Sep 2018 — May 2019

- Built machine learning models, data pipelines, and recommendation systems.
- Performed statistical analysis (i.e. A/B testing, regression) with real industry data.

M.S.E. Energy Systems Engr., University of Michigan
Ann Arbor, MI

Sep 2014 — May 2015

B.S.E. Chemical Engineering, University of Michigan
Ann Arbor, MI

Sep 2010 — May 2014