

JAE-BEOM BAE

SR. CONSULTANT, ENERGY MARKET ANALYTICS

INFO

ADDRESS

Denver, USA

PHONE

734-546-6069

EMAIL

jb.bae@outlook.com

LINKS

[linkedin.com/in/jbbae](https://www.linkedin.com/in/jbbae)

github.com/nickbae91

SKILLS

Energy Markets

SQL

Data Visualization

Python

Product Management

Data Science

Excel VBA

ReactJS

JavaScript

Machine Learning

LANGUAGES

Spanish

● ● ● ● ●

Korean

● ● ● ● ●

HOBBIES

Tennis, Soccer, Startups,
Travelling, Cooking

EMPLOYMENT HISTORY

Sr. 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 them understand key market trends & opportunities.
- Managed >30 projects in fast-paced environments, spearheading quantitative analysis and presenting results to key client executives.

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-suites on their 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 using engagement data (qualitative + quantitative), boosting 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