

KY N. KIEFER

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ENGINEER

Data Analysis | Design | Energy Engineering | Consulting

Ky is a chemical engineer who spent his undergraduate pursuing renewables research and leveraging technology to improve industrial energy efficiency. Post-graduation, intrigued by the controversy and rapid technological growth, Ky moved to Colorado as a hydraulic fracturing engineer. Caught up in layoffs, Ky spent his transitional period exploring interests in energy, data and finance. He focused his time building financial software tools to transform data into narratives, empowering the public to take control of their retirement education. Ky next transitioned to an energy efficiency engineering role. He currently works in a remote office of two, tasked with expanding territory in the Seattle area. In his spare time, he has been exploring Python, statistics, and linear algebra (and climbing mountains in-between) with intentions to pursue a data role.

Core Competencies

- **Data Analysis**
- **Oil & Gas Engineering**
- **Presentations**
- **Customer Relations**
- **Energy Modelling**
- **Investing**
- **Project Management**
- **Operations**
- **Technical Writing**

TECHNICAL SKILLS

Microsoft Word, Excel, PowerPoint, Outlook, Python (intermediate), familiar with SQL and Git

PROFESSIONAL EXPERIENCE

CASCADE ENERGY, Seattle, WA

2016 — present

Program Engineer, Industrial Energy Efficiency

Support the delivery of Puget Sound Energy's Industrial System Optimization Program, offering the technical expertise to make energy efficiency a valuable investment for industrial facilities.

- Perform multivariate regression modelling, simulations and calculations to enable customers to quantify the value of energy efficiency projects.
- Expand my comfort zone in the realm of marketing and sales.

BAKER HUGHES, Denver, CO

2014 — 2015

Field Engineer, Hydraulic Fracturing

Supported the design and execution of hydraulic fracturing operations in DJ-Niobrara Basin, for Chesapeake Energy, Whiting Petroleum, and Noble Energy.

- Optimized fractures and prevented screen-outs in response to real-time data by implementing design changes and providing on-site technical expertise, increasing hydrocarbon production and value to customers.
- Generated more than \$20M in revenue by supporting the design and execution of fracturing operations in tight oil formations.
- Communicated and coordinated with frac crews of more than 20 in high-pressure environments.

EDUCATION

Bachelor of Science, Engineering (BSE), Chemical Engineering,
University of Michigan, Ann Arbor, MI, 2014

Concentration in Energy Systems Engineering, Specialized Studies in Sustainable Engineering