

# TROY K. HEPPER

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As a data scientist, I look to solve problems using logic. I am a conscientious individual who firmly believes in the importance of structure. The rewarding feelings that result from being a part of a successful team drive me to be an effective leader.

## SKILLS

Python for Data Analysis, Machine Learning, Predictive Analytics, SQL, Data Visualization, Tableau, Natural Language Processing, Clustering, Web Scraping, Bayesian Statistics

## EXPERIENCE

### GENERAL ASSEMBLY, WASHINGTON, D.C.

#### *Data Science Immersive Student*

March 2017 – May 2017

- Participated in a full-time Data Science immersive course focused on real-world applications of data science principles and best practices. This included data acquisition and wrangling, data cleaning, data visualization, and predictive modeling.
- Performed most of the work in Python, taking advantage of libraries such as Pandas, NumPy, SciPy, Matplotlib, Seaborn, scikit-learn, BeautifulSoup, etc.
- Applied skills to real-world data problems on large-scale projects, and used data visualization tools to communicate and present results in a clear manner.

### ICF INTERNATIONAL, FAIRFAX, VA

#### *Cost Estimator*

January 2016 – September 2016

- Served as lead cost analyst consultant to the Department of Housing and Urban Development (HUD).
- Developed large-scale Independent Government Cost Estimates (IGCEs), Purchase vs Lease analyses, and supporting Basis of Estimate (BOE) documentation.
- Utilized best practice cost estimating techniques, conducted market research, and analyzed data in order to predict the future cost of an item, product, program, or task.
- Worked collaboratively with project team and client to achieve established goals.

#### *IT Management Analyst*

September 2016 – February 2017

- Served as lead infrastructure change analyst for the HUD Independent Verification and Validation team.
- Ensured that the IT vendors followed all change protocols.
- Tracked all infrastructure changes, the building and decommissioning of servers, software refreshes, and application implementations.

### VITOL, HOUSTON, TX

#### *Operations Internship*

May 2014 – August 2014

- Exposed to transportation logistics, product quality and testing, pipeline scheduling, inventory management, vessel tracking, product flow trends, and various other areas within a large international oil trading company.
- Designed material safety data sheets for all of the products that the company buys and sells.
- Collaborated with third party inspection companies to ensure proper testing was carried out and products met proper specifications.
- Generated pipeline inventory reports and visualizations for traders.

## EDUCATION

### Data Science Immersive Course

May 2017

General Assembly, Washington D.C.

### Bachelor of Science, Industrial Engineering

May 2015

The Pennsylvania State University, University Park, PA