

# Jordan Deklerk

[jordan.deklerk@gmail.com](mailto:jordan.deklerk@gmail.com) | [Github](#) | [Personal Website](#) | [LinkedIn](#)

## PROFESSIONAL EXPERIENCE

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### Senior Data Scientist

Aug 2024 – Present

*DICK's Sporting Goods*

*Coraopolis, PA*

- Coming soon!
- Coming soon!
- Coming soon!

### Data Scientist

Jun 2020 – Aug 2022

*University of Pittsburgh Medical Center*

*Pittsburgh, PA*

- Developed a BERT style transformer model, pretrained using masked token learning, on EHR claims data for medical code embeddings, achieving a 14% decrease in 30-day re-admissions resulting in \$1.3M in savings
- Created a CNN and autoencoder-based deep unsupervised learning model that clustered patients by acute disease sub-types, guiding a managed care program and achieving an estimated \$345k in preventative care savings
- Leveraged AWS deep learning docker containers and Kubeflow to transition existing machine learning models into production, significantly enhancing model inference and enabling robust real-time prediction capabilities

### Data Scientist

Jun 2018 – Jun 2020

*Health First Health Plans*

*Rockledge, FL*

- Built an ensemble gradient boosted tree model for identifying members at high risk of disenrollment resulting in an outreach strategy that retained 31% of at-risk members, yielding an estimated annual savings of \$230k
- Designed an instrumental variables causal model to estimate the price elasticity of Medicare Part D cancer drugs, using plan variation and cost-sharing differences across therapeutic classes to adjust Medicare pricing plans
- Produced a Bayesian Gaussian process time series model for automated forecasting, successfully projecting monthly healthcare utilization and expenses, resulting in \$115k in quarterly savings through budget adjustments

## EDUCATION

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### University of Illinois Urbana - Champaign

Champaign, IL

*Master of Science in Statistics*

*Aug 2022 – May 2024*

### University of Wisconsin - Madison

Madison, WI

*Master of Science in Economics*

*Aug 2016 – May 2018*

### University of Central Florida

Orlando, FL

*Bachelor of Arts in Economics and Mathematics*

*Aug 2013 – May 2016*

## TECHNICAL SKILLS

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**Languages:** Python, R, SQL, JavaScript, HTML/CSS, SAS, STATA

**Developer Tools:** Azure ML, GCP, AWS Sagemaker, Databricks, Spark, Kubeflow, Kubernetes, Docker

**Frameworks:** React, Node.js, npm

**Libraries:** PyTorch, Scikit-Learn, Huggingface Transformers, PyMC, TensorFlow, Wandb, Ray