

MICHAEL FEYDER, PhD

DATA SCIENTIST / PROJECT MANAGER

717 Liberty Ave., Pittsburgh, PA 15222

P: (412) 401-2002

E: feyderm@gmail.com

W: feyderm.github.io

EDUCATION

2009 - 2014

DOCTORATE OF PHILOSOPHY

Karolinska Institute

Investigated the molecular and genetic abnormalities of side effects in the treatment of Parkinson's disease:

[L-DOPA-induced Signaling Pathways and Neuroepigenetic Mechanisms in Experimental Parkinsonism and Dyskinesia](#)

2002 - 2006

BACHELORS OF SCIENCE

Vanderbilt University

Graduated *cum laude* with a major in neuroscience and minor in medicine, health and society

EXPERIENCE

2018 - Present

UNIVERSITY OF PITTSBURGH

Data Engineer

- Engineer workflows to scale the capture, storage and analysis of clinical data for a \$3M NIH-funded study
- Coordinate data collection across diverse clinical sources
- Implement cloud-based solutions for data storage

2018 - Present

EAST TENNESSEE HEALTH INFORMATION NETWORK

Data Analytics Consultant

- Develop Qlik Sense dashboards reporting clinical quality measures for accountable care organizations
- Extend organizational reporting capability by developing a suite of Python utilities to extract data from HL7 messages

2016 - 2018

STELLA TECHNOLOGY

Product Manager

- Managed an international Agile development team to build software validating electronic health records (CCDs) according to industry standards (C-CDA)
- Mined CCDs to discover unrecognized data anomalies, incorporating findings into product development

2015 - 2016

JOHNS HOPKINS UNIVERSITY

Postdoctoral Fellow

- Analyzed high-throughput genomic sequencing data (RNA-seq) using dimensionality reduction techniques and clustering algorithms to uncover sub-populations of cells within the brain

2008 - 2009

SAINT JOHN'S COLLEGE HIGH SCHOOL

Instructor

- Developed an AP biology curriculum in which 40% of students received college credit based on national exam scores

2006 - 2008

NATIONAL INSTITUTES OF HEALTH

Post-Baccalaureate Training Awardee

- Conducted behavioral experiments and performed statistical hypothesis testing, earning co-authorship on twelve peer-reviewed publications

STATEMENT

I create full-stack data solutions by leveraging my experiences in data engineering, experimental design, statistics, and data visualization.

LANGUAGES

R (*tidyverse*)

Python (*pandas*, *scikit-learn*)

JavaScript (*D3*, *React*)

HTML / CSS

SQL

Bash

Haskell

TOOLS / TECH

Git

Jira

AWS (*S3*, *Glacier*)

Qlik Sense / NPrinting

MISC

Certified Scrum Product Owner

[Github profile](#)

[Google Scholar profile](#)