Davyd Sadovskyy | ua.sadovskyy@gmail.com | www.davydsadovskyy.com

EDUCATION

University of Colorado, Denver *Expected Graduation: May 2026*
Denver, CO

- Statistics M.S

Miami University *Graduation: May 2024*
Oxford, OH

- Data Science and Statistics B.S, Biology B.S
- Neuroscience Co-Major, Bioinformatics Minor, Computer Science minor

EXPERIENCE

Medical Informatics Research Fellow
University of Colorado Anschutz Medical Campus
08/12/2024 - present

- Dry Lab Rotation with Arjun Krishnan, PhD:
  - Improved on existing model by implementing an ordinal regression neural network that predicts chronological human age using RNAseq data.
  - Construct similar models using brain wave data. Performed extensive feature engineering and time series analysis on the raw brain wave data.
- Dry Lab Rotation with Joanne Cole, PhD:
  - Performed a genome wide association study (GWAS) to find genetic determinants to whether someone had the trait of being a fast versus slow ager.
  - Constructed the fast/slow ager dataset by building a neural network model that predicts age using OLINK proteomic data.
- Dry/Wet Lab Rotation with David Bentley, PhD:
  - Developed a computational pipeline for analyzing iCLIP sequencing data.
  - Implemented peak calling algorithms to identify statistically significant binding sites in RNA under fast and slow RNA polymerase conditions.
  - Applied nonparametric signal analysis to quantify differential binding patterns.

Research Paper Visualizer App - https://medium.com/p/af40298adf4e

- Semantic clustering of 15000 publications.
- Helps a user understand the landscape of published research on a particular topic, and to more easily identify publications that are of interest, or that have been highly influential
- Interactive RShiny dashboard

Resident Assistant
Miami University (Dorsey Hall, Marcum Hall)
08/10/2021 - Present

- Set standards for the corridor community, held residents accountable, and organized events

CERTIFICATIONS

- SAS Associate: Programming Fundamentals Using SAS 9.4