Michael Kronovet

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Education

Carnegie Mellon University . . . . . August 2017 – May 2020
GPA: 3.76/4.00
Bachelor of Science in Statistics and Machine Learning with University Honors

Relevant Courses
Intro to Machine Learning (PhD), Probabilistic Graphical Models (PhD), Causal Inference (PhD), Algorithms and Advanced Data Structures

Work Experience

Machine Learning Engineer at Curia.ai . . . . . August 2020–

- Curia is a startup with 6 employees, so I have a variety of responsibilities including causal inference research, maintaining production models/pipelines, cloud infrastructure, and client facing analysis.
- Primary responsibility is to research, design, and implement the core machine learning backend for all of Curia's products.

Bioinformatics Intern at Regeneron . . . . . June 2020 – August 2020

- Made a machine learning model to predict the exon skipping efficiency of antisense-oligonucleotides (ASOs) and then built a corresponding app to recommend optimal ASOs for specific exon skipping tasks.

Teaching Assistant for 10-701 Intro Machine Learning (PhD) . . . . . January 2020 – May 2020

- Led recitations, created homework problems, held office hours, and advised final projects for the PhD version of the intro to machine learning class at Carnegie Mellon.

Data Scientist with Ikos . . . . . August 2019 – December 2019

- Built and later sold (to Ikos) an app that would predict how much property rentals across Pittsburgh would rent for and how quickly they would rent.

Quantitative Trading Intern at Virtu Financial . . . . . June 2019 – August 2019

- Worked on the algorithms team at a high frequency trading firm to predict Exchange Traded Fund (ETF) price fluctuations and alter trading strategies to profit from them.

Projects (A more extensive list is on my website)

Whim

- Building a lightweight, markdown WYSIWYG note taking app that is designed to help you write modular notes which reference each other to aid with knowledge retention.

Databased Perspectives

- Creating a website that serves as both a repository for political datasets and as a blog where statistical techniques are applied to analyze government policies.

Time Varying Graphs with NOTEARS

- Adapted a state of the art DAG structure estimation algorithm to build dynamic bayesian networks with time series data.

Skills

Languages/Frameworks: Python, R, SQL, Javascript, Typescript, React, Django, Jekyll, C, Matlab

Technologies: Git, Docker, Spark, AWS, GCP, Figma, CAD, Unity, Microsoft Excel