

## 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 Engineering 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 and Engineer 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