

# Liam Meier

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## EDUCATION

New York University  
Abu Dhabi

B.SC IN PHYSICS & PHILOSOPHY  
MAY 2019  
GPA: 3.7

John Burroughs School  
with Honors | St. Louis, Missouri

## GITHUB

lmeier

## SKILLS

Python  
Numpy  
Scikit-learn  
Pandas  
Matplotlib

Elixir  
Phoenix  
GraphQL  
Postgres

Zsh  
Git  
L<sup>A</sup>T<sub>E</sub>X

## COURSEWORK

Machine Learning (Graduate Level)  
Mathematical Modeling  
Real Analysis  
Linear Algebra  
Advanced Physics Lab  
Ordinary Differential Equations  
Multivariable Calculus

## INFO

Address:  
124 Clayton St,  
San Francisco, CA 94117  
Citizenship:  
United States of America

## REFERENCES

Available upon request

## EXPERIENCE

Numerai | SOFTWARE ENGINEER

Aug 2019 – Nov 2019 | San Francisco

- Built a bot classifier that achieved 1 % false positive error rate (Python, Airflow, Flask, Sk-learn)
- Implemented cryptocurrency signup bonus utilizing the bot classifier to drive new users through on-boarding (Elixir, Phoenix, GraphQL)
- Built metric dashboards and performed research on userbase that led to the prioritization of product features (Pandas, Matplotlib, PostgreSQL)

NYUAD Galaxy Formation Group | RESEARCH STUDENT

Jan 2016 – May 2019 | Abu Dhabi

- Analyzed large simulations of galaxies to understand their formation and evolution (python with numpy, scipy, pynbody, matplotlib).
- Ran simulation jobs on HPC and migrated data across various servers (slurm, bash).

NYU Center for Data Science | RESEARCH STUDENT

Jan 2018 – May 2018 | New York

- Led Classification of Moral Reasoning project from idea, collection of data, selection of data-appropriate model, and implementation (python, sk-learn, pandas) of the final, highly tuned linear-SVM

## PROJECTS & PAPERS

Automated Classification of Modes of Moral Reasoning in Judicial Decisions

- First author, published in Computational Legal Studies

Babyl

- Web app (django and bootstrap) that allows for quick and easy publishing of microblogs with variable privacy settings

Nature vs. Nurture: Star Formation Rates in NIHAO

- Presented work three times to audiences of 10-30 people
- MNRAS manuscript in preparation

Proportional Choice for Normative Uncertainty

- 13k word paper articulating and defending a novel approach to a hot-topic in ethics
- This work is now being taught to capstone students at NYUAD as an exemplar
- Only graduating student in my year to complete two solo capstones

## AWARDS & ACTIVITIES

2015-2019	NYUAD Scholarship (\$200k+ value)
2019	Leader of Effective Altruism at NYUAD
2018	Panelist at EA Singapore "AI Safety & Risks"
2017, 2018	NYUAD Undergraduate Research Funding Award (\$15k+ total value)
2017	Mentor for College Admissions Mentors for Africa
2015	National Merit Finalist
2015	National AP Scholar