

Liam Meier

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EDUCATION

NEW YORK UNIVERSITY ABU DHABI

B.Sc IN PHYSICS & PHILOSOPHY
MAY 2019 (EXPECTED)
GPA: 3.7

JOHN BURROUGHS SCHOOL
with Honors | St. Louis, Missouri

GITHUB

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COURSEWORK

Machine Learning (Graduate Level)
Mathematical Modeling
Real Analysis
Linear Algebra
Ordinary Differential Equations
Multivariable Calculus
Logic
Ethics
Metaethics
Philosophy of Science
Quantum Mechanics
Mechanics
Electricity & Magnetism
Advanced Physics Lab

SKILLS

PROGRAMMING

Python • Numpy
Sci-kit learn • Matplotlib
L^AT_EX • Java • Unix Command Line

INFO

Citizenship:
United States of America
Residency:
United Arab Emirates

EXPERIENCE

NYUAD GALAXY FORMATION GROUP | RESEARCH STUDENT

January 2016 – Present | Abu Dhabi

- Modelling galactic formation and evolution with **Prof. Andrea Maccio**.
- Running and analyzing large (100+ GB, run times in excess of 10 days on 200+ cores) hydrodynamical simulations of galaxies
- Paper (in preparation) & capstone project on star formation in galaxies under the influence of dark matter and active galactic nuclei

NATIONAL UNIVERSITY OF SINGAPORE | RESEARCH INTERN

July 2018 – Aug 2018 | Singapore

- Project on joint human-AI decision making with **Prof. Harold Soh**.
- Conducted literature review, devised experimental setup, acquired data

NYU CENTER FOR DATA SCIENCE | RESEARCH STUDENT

Jan 2018 – May 2018 | New York

- Trained ML algorithm on applied ethics papers corpora for classification of moral reasoning employed in text with **Prof. Elliott Ash** and **Prof. Daniel Chen**.
- Analyzed US Circuit Court judge rulings since 1891
- **Paper** (joint first author) forthcoming in Computational Legal Studies

NYU ENVIRONMENTAL FLUID DYNAMICS LAB | RESEARCH INTERN

May 2017 – Aug 2017 | Ilulissat, Greenland

- Collected and verified data from the Ilulissat Icefjord in Greenland with **Prof. David Holland**.

NYUAD PHILOSOPHY | CAPSTONE STUDENT

Sept 2018 – Present | Abu Dhabi

- Studying decision making under moral uncertainty with **Prof. Matthew Silverstein**
- Investigating implications for Artificial Intelligence

ACTIVITIES

2019	Captain	NYUAD Basketball Team
2018	Panelist	EA Singapore Talk "AI Safety & Risks"
2017	Mentor	College Admissions Mentors for Africa
2016	Volunteer	Special Needs Assistance Program

AWARDS

2015-2019	NYUAD Scholarship (\$200k+ value)
2017, 2018	NYUAD Undergraduate Research Funding Award
2015	National Merit Finalist
2015	National AP Scholar