

# 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

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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 &amp; Magnetism

Advanced Physics Lab

## SKILLS

### PROGRAMMING

Python • Numpy

Sci-kit learn • Matplotlib

L<sup>A</sup>T<sub>E</sub>X • Java • Unix Command Line

## INFO

#### Address:

367 Arguello Blvd. Apt. 1,  
San Francisco CA 94118

#### Citizenship:

United States of America

## CAREER OBJECTIVE

Seeking a software engineering position where I can make use of my extensive, cross-disciplinary experience in using large, complex datasets to build knowledge. I have worked and studied across the globe and strongly value being a part of a diverse workplace. I prioritize learning and desire a role where I can quickly grow to be a valuable contributor.

## EXPERIENCE

### NYUAD GALAXY FORMATION GROUP | RESEARCH STUDENT

Jan 2016 – May 2019 | 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 supermassive black holes

### NATIONAL UNIVERSITY OF SINGAPORE | RESEARCH INTERN

Jul 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 | Abu Dhabi &amp; Greenland

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

### NYUAD PHILOSOPHY | CAPSTONE STUDENT

Sept 2018 – May 2019 | Abu Dhabi

- Studied **moral decision making under uncertainty** with **Prof. Matthew Silverstein**
- Only NYUAD student in my graduating year (and one of just a handful in NYUAD's history) to carry out two solo capstones

## ACTIVITIES

2019	Leader	Effective Altruism at NYUAD
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