

JEREMY K. THALLER

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EDUCATION

Ludwig Maximilians Universität München (LMU) & Technische Universität München (TUM)

Oct. 2019 – Present

- (In progress) MSci in Geomaterials and Geochemistry
- Erasmus Mundus: Masters in Materials Science Exploring Large Scale Facilities

Williams College

2015 – 2019

- B.A. in Physics with Honors, GPA 3.3
- Sigma Xi Inductee

DATA SCIENCE SKILLS

Data Cleaning and Feature Engineering
Command Line (BASH)
Neural Networks and Deep Learning
Natural Language Processing

SSH + VIM
Probability and Statistics (Bayesian)
Git and Version Control
Recommendation Systems

TECHNICAL STRENGTHS

Programming Languages

Python, MATLAB, SQL, JAVA, Arduino (C/C++)

Python Packages

Pandas, NumPy, sklearn, PyTorch, KERAS, TensorFlow, Seaborn

Data Software

Mathematica, Quantum Espresso, Excel, LabView, LoggerPro

Visualization Software

L^AT_EX, Solid Works, VESTA, Adobe Illustrator, Adobe Photoshop

WORK EXPERIENCE

Amorphous Solids, Metallic Glasses, & Metallurgy

Summer 2019

Postbac Researcher

Yale University

Nanomolded crystalline metals and analyzed the samples with SE and TE microscopy

Soft Condensed Matter Physics

2018 – 2019

Undergraduate Honors Thesis

Williams College

Designed and built stretching apparatus for soft materials, collected data via confocal microscopy, and analyzed data with MATLAB

Atomic, Molecular, and Optical Physics

Summer 2017

Undergraduate Research Assistant

Williams College

Programmed a PID controller, designed a deposition-rate detector for an indium cell chamber, and analyzed data with MATLAB and Mathematica

ADVANCED COURSEWORK

Multivariate Calculus

Linear Algebra

Statistical Mechanics

Particle Physics

Computational Materials Design

Partial Differential Equations

Deep Learning

Machine Learning