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	SSH + VIM
Command Line (BASH)	Probability and Statistics (Bayesian)
Neural Networks and Deep Learning	Git and Version Control
Natural Language Processing	Recommendation Systems

TECHNICAL STRENGTHS

Programming Languages	Python, MATLAB, JAVA, Arduino (C/C++)
Python Packages	Pandas, NumPy, sklearn, PyTorch, KERAS, TensorFlow, Seaborn
Data Software	Mathematica, Quantum Espresso, Excel, LabView, LoggerPro
Visualization Software	LaTeX, Solid Works, VESTA, Adobe Illustrator, Adobe Photoshop

WORK EXPERIENCE

Amorphous Solids, Metallic Glasses, & Metallurgy Summer 2019
Postbac Researcher
Advised by Jan Schroers, Professor of Physics *Yale University*

- Nanomolded crystalline metals and analyzed the samples with SE and TE Microscopy

Soft Condensed Matter Physics May 2018 – June 2019
Undergraduate Honors Thesis
Advised by Katharine E. Jensen, Professor of Physics *Williams College*

- Designed and built stretching apparatus to induce equibiaxial stretch in soft materials
- Analyzed data through modified MATLAB scripts to measure the strain dependency of surface stress

Atomic, Molecular, and Optical Physics Summer 2017
Undergraduate Research Assistant
Advised by Protik K. Majumder, Professor of Physics *Williams College*

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

ADVANCED COURSEWORK

Multivariate Calculus	Linear Algebra
Statistical Mechanics	Particle Physics
Computational Materials Design	Partial Differential Equations
Deep Learning	Machine Learning