JEREMY K. THALLER

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EDUCATION

Univsersity of Munich (LMU) &
Technical University of Munich (TUM)   *2019 – 2021*
MSci in Geomaterials and Geochemistry   *Munich, Germany*

Williams College   *2015 – 2019*
B.A. in Physics with Honors, GPA 3.3   *Williamstown, MA*
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, SQL, JAVA, Arduino (C/C++)
Python Packages	Pandas, NumPy, Scikit-Learn, PyTorch, KERAS, TensorFlow, Seaborn
Data Software	Mathematica, Quantum Espresso, Excel, LabView, LoggerPro
Visualization Software	LaTeX, Solid Works, VESTA, Adobe Illustrator, Adobe Photoshop

WORK EXPERIENCE

Postbac Researcher   Summer 2019
Department of Mechanical Engineering and Materials Science   *Yale University*

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

Undergraduate Thesis Researcher   2018 – 2019
Department of Physics   *Williams College*

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

Undergraduate Research Assistant   Summer 2017
Department of Physics   *Williams College*

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

Student Technology Assistant   Summer 2016
Office of Information Technology   *Williams College*

Installed and imaged new computers, worked the student and faculty support help-lines, repaired damaged computers

DATA SCIENCE PROJECTS

Facebook Messenger Statistics and Word-Cloud Plots	Spam Email Classifier
Chatbot based on personal Messanger Data	Quora Spam Question Identifier
Semiconductor Optimization Predictor	Covid-19 Case Forecasting