

JEREMY K. THALLER

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EDUCATION

**Univsersity of Munich (LMU) &
Technical University of Munich (TUM)**
MSci in Geomaterials and Geochemistry

*2019 – 2021
Munich, Germany*

Williams College
B.A. in Physics with Honors, GPA 3.3
Sigma Xi Inductee
Captain of Track & Field Team

*2015 – 2019
Williamstown, MA*

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, Tensorboard, KERAS, TensorFlow, Seaborn, Regex, Optuna
Data Software	Mathematica, Quantum Espresso, Excel, LabView, LoggerPro
Visualization Software	LaTeX, Solid Works, VESTA, Adobe Illustrator, Adobe Photoshop

WORK EXPERIENCE

Postbac Researcher <i>Department of Mechanical Engineering and Materials Science</i>	Summer 2019 <i>Yale University</i>
Nanomolded crystalline metals and analyzed the samples with SE and TE microscopy	

Undergraduate Thesis Researcher <i>Department of Physics</i>	2018 – 2019 <i>Williams College</i>
Designed and built stretching apparatus for soft materials, collected data via confocal microscopy, and analyzed data with MATLAB	

Undergraduate Research Assistant <i>Department of Physics</i>	Summer 2017 <i>Williams College</i>
Programmed a PID controller, designed a deposition-rate detector for an indium cell chamber, and analyzed data with MATLAB and Mathematica	

Student Technology Assistant <i>Office of Information Technology</i>	Summer 2016 <i>Williams College</i>
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 Messenger Data	Quora Spam Question Identifier
Semiconductor Optimization Predictor	Covid-19 Case Forecasting
CIFAR-10 Classifier	Image Segmentator