

JEREMY K. THALLER

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EDUCATION

Adam Mickiewicz University, Poznan

MSci. in Physics of Advanced Materials for Energy Processing

*In Progress
Poznan, Poland*

University of Munich (LMU) & Technical University of Munich (TUM)

MSci. in Geomaterials and Geochemistry

*2019 – 2020
Munich, Germany*

Williams College

B.A. in Physics with Honors, GPA 3.3

Sigma Xi Honors Society Inductee

Captain of Track & Field Team

*2015 – 2019
Williamstown, MA*

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, 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

Department of Mechanical Engineering and Materials Science

Summer 2019

Yale University

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

Undergraduate Thesis Researcher

Department of Physics

2018 – 2019

Williams College

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

Undergraduate Research Assistant

Department of Physics

Summer 2017

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

Office of Information Technology

Summer 2016

Williams College

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

DATA SCIENCE PROJECTS

Movie Recommendation System

CIFAR-10 Classifier

Chatbot based on personal Messenger Data

Semiconductor Optimization Predictor

Spam Email Classifier

Image Segmentator

Quora Spam Question Identifier

Covid-19 Cases Forecasting