

JEREMY K. THALLER

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EDUCATION

Erasmus Mundus: Dual Degree Master's Program

In Progress

Expected Graduation: September 2021

Adam Mickiewicz University, Poznań

2020 – 2021

MSci. in Physics of Advanced Materials for Energy Processing

Ludwig Maximilians Universität München (LMU) &

Technische Universität München (TUM)

2019 – 2020

Joint MSci. in Geomaterials and Geochemistry

Williams College

2015 – 2019

B.A. in Physics with Honors, GPA 3.3

Williamstown, MA

Sigma Xi Honors Society Inductee

Captain of Track & Field Team

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

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 microscopy, 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

Movie Recommendation System

Spam Email Classifier

CIFAR-10 Classifier

Image Segmentator

Chatbot based on personal Messenger Data

Quora Spam Question Identifier

Semiconductor Optimization Predictor

Covid-19 Cases Forecasting