JEREMY K. THALLER

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EDUCATION

Technische Universität München (TUM) *September 2019 - September 2020*
M.S. in Applied and Engineering Physics
Erasmus Mundus: Masters in Materials Science Exploring Large Scale Facilities

Williams College *September 2015 - May 2019*
(*in progress*) B.A. in Physics with Honors
Pre-engineering studies

Acton-Boxborough Regional High School *2011-2015*
National AP Scholar
National Honors Society

TECHNICAL STRENGTHS

Programming Languages	MATLAB, JAVA, HTML, Python, Arduino (C/C++)
Data Software	Mathematica, Excel, LabView, LoggerPro
Other Software	LaTeX, Solid Works, Adobe Illustrator, Adobe Photoshop
Machining Experience	Bridgeport Milling, CNC Milling, 3D Printing, Laser Cutting

RESEARCH AND WORK EXPERIENCE

Soft Condensed Matter Physics May 2018 - Present
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
- Used Fluorescent Confocal Microscopy to measure the strain dependency of solid surface stress is soft materials via adhesion

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

- Programed a PID controller in LabView to thermally regulate a high temperature oven
- Designed a deposition-rate detector based on the mass dependent frequency of Quartz Crystals

Teaching Assistant and Tutoring Sept 2016 - Present
Physics Department, Math and Science Resource Center *Williams College*

- TA for Math Methods for Scientists (diff EQ's, Fourier, etc.) & Introductory Classical Mechanics
- Tutored all calculus and introductory physics courses at Math/Science resource center

IT Work June 2016 - Aug 2016
Office of Information Technology *Williams College*

- Set up, repaired, and imaged new computers
- Worked the Faculty staff support line

ADVANCED PHYSICS COURSEWORK

Condensed Matter and Solid State Physics	Gravity
Particle Physics	Thermodynamics and Statistical Mechanics
Quantum Mechanics	Electricity and Magnetism
Advanced Classical Mechanics and Fluid Dynamics	Vibrations, Waves, and Optics
Mathematical Methods for Scientists	Philosophical Implications of Modern Physics

ADDITIONAL INFORMATION

Interests	Bassoon, Jazz Piano, Track & Field, Bicycle Repair, Rocketry, Graphic Design
Languages	German (Currently B2)