

MAX THURM

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Department of Chemistry
118 Beury Hall
Temple University
1901 North 13th Street
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RESEARCH

MARCH – AUGUST 2022

RESEARCH ASSISTANT, DESY (GERMAN ELECTRON SYNCHROTRON)

Testing and helping improve Nozzle designs for high-energy X-ray diffraction experiments.

Supervisor: Dr. Saša Bajt

AUGUST 2022 – MAY 2023

UNDERGRADUATE RESEARCH, THE BORGUET GROUP

Using vibrational Sum Frequency Generation (vSFG) spectroscopy to investigate vinyl pyridine interaction on the surface of carbon nanoparticles.

Graduate supervisor: Somaiyeh Dadashi

Group Leader: Prof. Dr. Eric Borguet

RESEARCH INTERESTS:

vSFG spectroscopy, computational chemistry, X-ray free electron lasers (XFEL)

EDUCATION

2020-2024

BACHELOR OF SCIENCE: NANOSCIENCE

UNIVERSITÄT HAMBURG & TEMPLE UNIVERSITY

Current GPA: 3.4

SKILLS

- Python, LaTeX, OriginPro and ChemDraw
- UV-Vis, FT-IR, and DLS spectroscopy
- Proficient in English (C1) and German
- Nanoparticle synthesis
- Quantum Mechanics and numerical solutions to the Schrödinger equation

HOBBIES

Playing the flute, going swimming, volleyball. Drinking coffee and petting cats.