Michael Birosak

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# Areas of Interest

* Modeling and experimentation of heat and fluid transport
* Thermal management of electronics

# Education

**PhD** Tufts University, Mechanical Engineering May 2023 (Expected)

**MS** Tufts University, Mechanical Engineering Dec 2020 (Expected)

Thesis: “Temperature Control of a Variable Conductance Heat

Pipe Via Heating of the Non-Condensable Gas Reservoir”

Advisor: Dr. Marc Hodes

**BS** Bucknell University, Mechanical Engineering May 2018

Minored in Russian Language

# Work Experience

**Transport Phenomena Technologies LLC,** Medford, MA Feb-Mar 2020

<http://www.tptechcorp.com/>

Lab Technician Internship

# Teaching Experience

**Tufts University**, Medford, MA 2019 to 2020

**Graduate Teaching Assistant,** Mechanical Engineering Department (ME)

*Undergraduate Courses*

* ME 080 Robotics (Dr. Chris Rogers) [Spring 2019]
* ME 018 Instrumentation and Lab Practice (Dr. Felix Huang) [Spring 2020]

*Graduate Courses*

* ME 111 Thermofluid Transport I (Dr. Erica Kemmerling) [Fall 2019]

**Graduate Shop Technician**

* Bray Lab PALLS (Precision Advanced Learning Labs and Shops) [Fall 2020 -Spring 2021