

# MATTHEW BURG

Atlanta, GA 30332

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## ACADEMICS:

### **Georgia Institute of Technology**, Atlanta, GA

- Mechanical Engineering Major/Computational Data Analysis Minor
- BS/MS Program - BS Spring 2021, MS Spring 2022
- GPA: 3.97 - Faculty Honors

### **Minnetonka High School**, Minnetonka, MN

- GPA: 4.50 - Summa Cum Laude
- International Baccalaureate Diploma
- National Merit Commended Student
- Minnetonka Rotary Scholarship Recipient

## ATHLETICS:

- Georgia Tech Ice Hockey Team 2017–2021  
~ Nationals Qualifier 2018; Regionals Qualifier 2019, 2020
- Georgia Tech Roller Hockey, Vice President 2020-2021
- Junior Gold Ice Hockey, Team Captain 2016–2017

## ENGINEERING:

- Pi Tau Sigma - International Mechanical Engineering Honor Society
- Coursework – MATLAB, Java, C, SQL, SolidWorks, Mills, Lathes, Dynamics, Deformable Bodies, Creative Decisions and Design, Materials and Manufacture, Machine Design, System Dynamics, Thermodynamics, Fluid Mechanics, Heat Transfer, Circuits and Electronics, Capstone Design

## ROBOTICS:

- Designed and built autonomous robot for ME 2110 team competition  
~ Focused on design, mechanics and system performance

## WORK EXPERIENCE:

- Georgia Tech Nanoscale Thermal Radiation Laboratory, Research Assistant 2020-2021  
~ President's Undergraduate Research Award (PURA) 2021
- North Metro Umpire Association, Baseball Umpire 2014–2017
- Cathedral of the Pines Church Camp, Counselor 2015–2017

## INTERNATIONAL EXPERIENCE:

- Lived in both Singapore and Ireland, Extensive travel to 30+ countries
- Georgia Tech Lorraine, France - Summer 2018