

Brian I. Geiger

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Objective

Fourth-Year Mechanical Engineering major with Aerospace Engineering minor student seeking an after-college employment opportunity in aviation/aerospace industries that will challenge me to grow and adapt as a professional engineer while simultaneously adding value to the company with my technical skills, knowledge, and leadership qualities.

Education

MICHIGAN TECHNOLOGICAL UNIVERSITY | BSME 2023 & AEROSPACE MINOR | GPA 3.980

- Relevant courses: Dynamics, Mechanics of Materials, Physics 2, Calculus I-III, Thermodynamics I-II, Fluid dynamics and Heat Transfer, Mechanical Systems Design and Analysis.
- Skills: Manual and CNC Mill trained, Hyperworks suite, MATALB, Mathematica, and AMESim

CADILLAC HIGH SCHOOL | SUMMA CUM LAUDE | GPA: 3.994

Work Experience

HONDA AIRCRAFT COMPANY

MAY-AUG 2022

- Worked as an intern on continuous improvement projects in the manufacturing of the HondaJet.

ADVANCED MECHANICAL SERVICES

MAY-AUG 2021

- Assisted with the hands-on installation and servicing of HVAC systems.

CHILLIN' ICE COMPANY

MAY 2017 -AUG 2020

- Worked summers in the ice room running the ice bagger and servicing the ice machine's minor issues

Project Experience

MULTIPLANETARY INNOVATION ENTERPRISE (MINE)

AUG 2021-CURRENT

- Enterprise Manager of three multidisciplinary projects working to develop technologies able to survive harsh environments on earth and across space.
- Member of the Lunabotics project that is working to build and improve a rover for the NASA Lunabotics competition.
- Hopper system co-lead working to research, develop, and implement an improved system design to store and deposit payload using CAD software, multibody simulation, and additive manufacturing.

Extracurricular Activities

- M.I.N.E. Enterprise Manager
- Mindtrekkers
- Tau Beta Pi Engineering Honor Society Member
- Men's House - House Patriarch
- Summit Hall President
- HS Science Olympiad and Forensics teams

Awards / Notable Accomplishments

- 5 Time Recipient 4.00 MTU Dean's List
- Enterprise "Rookie Award" for most proficient first year in enterprise program
- 2 Time Recipient MTU Math Department Certificate of Merit
- Science Olympiad Team State Finalist (11th, 12th), Regional Champion Airplane (12th)

References available upon request