

Kyle Fairfield

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I am a current student at RPI working toward my bachelor's degree in mechanical engineering while also doing studies in biotechnology. I identify and quickly close any knowledge gaps to offer value to the team.

EDUCATION

Rensselaer Polytechnic Institute (RPI), School of Engineering, Troy, NY (Class of 2025)

Current Junior pursuing B.S. in Mechanical Engineering

Received Rensselaer Leadership Award

Fryeburg Academy, Fryeburg, ME (Class of 2021)

Graduated Top 5% of class

SKILLS

- **Computer Programming**
 - MATLAB, Python, Java
- **Computer-Aided Design**
 - 3D Modeling (solidworks, NX)
 - Optimization design
- **Engineering Design**
 - Root cause analysis, Design development, Prototype development and testing, technical writing
- **Languages**
 - Native in English and Chinese

PROGRAMS, ACTIVITIES & EXPERIENCES

- **Student Caterer (2023-present)**
 - Working with Sodexo and RPI, my responsibilities include preparing for and serving in events on and off-campus.
- **Mills Lab Research Group (2023-present)**
 - Currently designing an incubator to allow live cell imaging for up to 48 hours in a controlled system.
- **CBIS Arch Research Training Program (2023)**
 - Acquired research skills and experience in Stem Cells, Flow Cytometry, Bioimaging, Analytical Spectroscopic Analysis, Proteomics and Genomics.
- **RPI Robotics Club (2022-present)**
 - Mechanical Team. currently working on an art installation for the RPI Campus.
- **Fryeburg Academy Math Team (2019-2021)**
 - Team Captain. Competed in the Maine Association of Math League (MAML), scored 1st place in our division and 9th in the State.
- **Space Raiders CubeSat project (2020-2021)**
 - Collaborated with professors at USM, designed a CubeSat that would capture the changes in salt marshes of the Maine estuary.