

Joseph Nixon

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Education

- B.S., Mechanical Engineering, **Worcester Polytechnic Institute** June 2025
- Dual Enrollment, **Hawaii Pacific University** June 2021
- Mx Scholar, **Maryknoll Highschool** June 2021

(Mx Scholar - Certificate provided after completion of additional engineering curriculum)

Employment

- Writing Tutor - 0.5 years 2020

Responsibilities

- *Read and comment on any drafts that students bring to the tutoring meeting*
- *During meetings, talk to students about their drafts and help them refine their drafts with grammar, syntax, and general tips on writing*

Skills

- *Programs* |Solidworks, Onshape, Drive, Outlook, Arduino, Ansys, Esprit, Matlab, HTML|
- *Hardware* |Power Tools, 3D Printing, Woodworking, Circuitry Design, Arduino|
- *Personal* |Public Speaking, Project Presentation, Organization|

Extracurricular Activities

• Bionics Club

- *Fundraising Chair* Feb 2023 - Present

Responsibilities

- Reaching out to companies and establishing relationships between brands and the Bionics club
- Designing merchandising and thank-you gifts

- *Treasurer* Feb 2023 - Present

Responsibilities

- Managing club funds and funding requests
- Creating and submitting expense reports detailing the usage of specified funds

• FRC Robotics Club

- *Design Lead* 2017-2021

Responsibilities

- *Management of a team of 3D designers*
- *Remaining on task and on schedule for the design of the FRC robot*

Projects

- *Website - nixonjosephb.github.io*

Languages

- Native English
- Beginner Level Tamil Student 2022

References

Larry Kekaulike College Mentor for Maryknoll High School

Larry.kekaulike@maryknollschoo.org 1402 Punahou St, Honolulu, HI 96822

Aaron Tamura-Sato Head Robotics Teacher for Maryknoll Robotics Team

Aaron.tamura-sato@maryknollschoo.org 1402 Punahou St, Honolulu, HI 96822