

# Trevor O'Leary

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## Education

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- 2015 - 2020
- McGill University
- Bachelors of Electrical Engineering**
- 1st place student design project management
  - Research assistant and PCBA designer for grad student

## Experience

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- 2022 - Present
- Tesla Motors
- Senior Software Engineer and People Leader**
- Created automation system to enable high volume manufacturing of Model S/X, 3/Y and Cybertruck
  - Coordinate with directors, product managers, and engineers to ensure readiness of manufacturing systems
  - Cultivated talent and built a diverse team of engineers to support vehicle manufacturing
  - Built crucial motor calibration systems for Optimus Robot design and development
- 2021 - 2022
- Electrical Test Engineer**
- Detailed circuit validation to ensure functionality, reliability, thermal performance, and component lifetime of vehicle electronics
  - Reached hardware certification milestones needed meet vehicle production timelines

## Projects

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- 2018 - 2020
- McGill
- Formula Electric Racing Electronics Lead**
- Designed and manufactured entire electrical system of vehicle
  - Recruit and train new members
  - 1st place overall in Formula Electric 2019 USA
- 2020 - 2021
- Product Design Capstone**
- Designed and created affordable electrical lab equipment as an alternative to leading market products
  - Product designed to meet a wide array of common electrical applications
- 2023 - 2024
- Personal
- Reactive Ambient Light Installation**
- Created immersive home installation featuring ambient light that reacts and changes to music
  - Design and build montage [www.trevoroleary.com/portfolio/ex/](http://www.trevoroleary.com/portfolio/ex/)