

# Eugene Ng

24 Skylark Ct, New Britain CT 06053  
eyn2@cornell.edu | (860)-726-6143 | <https://eugene.ng/>

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## EDUCATION

M. ENG, ELECTRICAL ENGINEERING | UNIVERSITY OF CONNECTICUT

05/2019 - 12/2020 | Storrs, CT

M. ENG, MECHANICAL ENGINEERING | CORNELL UNIVERSITY

01/2016 - 01/2017 | Ithaca NY

B.S., MECHANICAL ENGINEERING | CORNELL UNIVERSITY

08/2012 - 01/2016 | Ithaca NY

Minors: English

## PROFESSIONAL EXPERIENCE

SENIOR PROJECT ENGINEER | PRATT & WHITNEY / RAYTHEON TECHNOLOGIES CORP

02/2017 - Present | East Hartford CT

Management of over 200 capital equipment projects totaling more than \$100M to meet cost, time, and technical objectives.

CO-FOUNDER | PRESQUE LABS LLC

07/2015 - Present | Erie PA

HeroX NextGen design challenge winner for airport material transport cart concept, and YCombinator finalist.

## PROJECTS & RELEVANT EXPERIENCE

NONLINEAR OPTIMAL CONTROL OF COVID-19 | UNIVERSITY OF CONNECTICUT

<[https://github.com/eugeneynng/SEIR\\_CT](https://github.com/eugeneynng/SEIR_CT)>

Nonlinear modeling of COVID and formulation of a closed-loop feedback controller to minimize the number of infected.

WINNER | HEROX NEXTGEN CART DESIGN CHALLENGE, PRESQUE LABS LLC

<<https://www.herox.com/nextgen-cart-design-challenge>>

Design and build of a next generation Airport Material Transport Cart

ARACHNABOT: SPIDER-INSPIRED ROBOT | COLLECTIVE EMBODIED INTELLIGENCE LAB

Design, fabrication, modeling, and analysis of a to-scale jumping robot with spider-inspired joints.

TEAM LEAD | CORNELL CONCRETE CANOE PROJECT TEAM

<<https://cornellconcretecanoe.com>>

Project management of 30-person team for the ASCE Concrete Canoe Competition

## SKILLS

ANSYS, C#, CSS, HTML, JavaScript, KiCad, LaTeX, MATLAB, Microsoft Access, Python, SolidWorks, Visual Basic for Applications (VBA), Structured Query Language (SQL), Wordpress