



— CONTACT —



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450 Memorial Drive
CAMBRIDGE, MA

— EDUCATION —

MASSACHUSETTS INSTITUTE
OF TECHNOLOGY



Candidate for B.S. in
MECHANICAL ENGINEERING
Concentrating in
PRODUCT DEVELOPMENT
C/o 2019 ★ 4.1/5.0

— COURSE WORK —

DESIGN & MANUFACTURING
I • MEASUREMENT & IN-
STRUMENTATION • DYNAM-
ICS & CONTROLS II • ENGI-
NEERING LEADERSHIP & LAB

— SKILLS —



3D PRINTING • MACHINING
• SOLDERING • LASER CUT-
TING • MECHANICAL & CIR-
CUIT DESIGN



SOLIDWORKS • MATLAB • FU-
SION 360 • ADOBE SUITE



PYTHON • ARDUINO • HTML
& CSS • C++

— KEVIN T. RODRIGUEZ —

— EXPERIENCE —

NEON SHEEP

GLENDALE, NY

FREELANCE PRODUCT DESIGNER

JAN 2018—PRESENT

- New electronics & batteries rendered current vape mod inventory obsolete
- Designed & prototyped new chassis via 3D modelling & printing
- Revamped 2 previous generation vape mods to fit new hardware modularly

UMBR TECHNOLOGIES

GLENDALE, NY

OWNER

JUN 2017—PRESENT

- Current chocolate printing technology is expensive & fails to self temper
- Developed business plan, created prototype designs, sought investors
- Secured \$500 in funding, initiated prototyping of 3 subsystems

TANGIBLE MEDIA LABRATORY

CAMBRIDGE, MA

UNDERGRADUATE RESEARCHER

JUN—AUG 2016

- Fabricated pre-designed novel bio-gel 3D printer with another student peer
- Improved upon provided designs by modifying 3rd party hardware
- Increased build volume of printer by ~36% with custom milled parts

BIOMECHATRONICS LABRATORY

CAMBRIDGE, MA

UNDERGRADUATE RESEARCHER

AUG—SEP 2016

- Spearheaded development of passive running exoskeleton
- Utilized additive & traditional manufacturing in iterative prototyping
- Created exoskeleton that used arm motion to actuate the ankle of a runner

— LEADERSHIP —

GORDON ENGINEERING LEADERSHIP PROGRAM

CAMBRIDGE, MA

STUDENT

SEP 2017—JUN 2019

- Selected for exclusive MIT program prepares for leadership in industry
- Frequently interact & hear keynote speeches from industry leaders
- Mastering communication skills & leadership styles to fit team dynamics

MACGREGOR DORMITORY

CAMBRIDGE, MA

MAKERSPACE CHAIR

MAY 2016—SEP 2017

- New House Dorm repairs caused the closure of the local makerspace
- Authored and got Approval for proposal to bring back the makerspace
- Negotiated w/MIT administration & EHS Services to create regulation

MAKE MIT

CAMBRIDGE, MA

TEAM LEAD

FEB 2016 & FEB 2017

- Organized 2 teams to prototype electromechanical devices within 16hrs
- Successfully created assistive hand exoskeleton & smart gloves
- Placed in the top 10 for the Make MIT 2016 inaugural 2 week hackathon