

# QUINN CONNELL

Arlington, MA | 617-366-7325 | qconnell@gatech.edu

## EDUCATION

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**Georgia Institute of Technology**, Atlanta, GA  
Bachelor of Science in Mechanical Engineering, 2023

GPA 3.3  
Dean's List (2019,2020,2022)

## SKILLS

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**Software Skills:** Solidworks, Fusion 360, AutoCAD, Ladder Logic, Matlab, Photoshop, Illustrator, Blender, Arduino IDE, Cura, Microsoft Office Suite, Sketchup, Prusa Slicer

**Technical Skills:** CAD modeling, machining, vehicle theory, laser printers, 3D printers, CNCs, plumbing, electric, automotive, general construction, finish carpentry, rapid prototyping, mechanical problem solving

**Creative:** Spanish Fluency (lived/studied engineering in Madrid and Valencia), Sketching, Product Design, Digital Illustration, Pottery, Woodworking, Guitar

## EXPERIENCE

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### NISSAN MOTOR CORPORATION

May 2022 - Aug 2022

Chassis Engineering Intern

- Designed and programmed a system of machine vision sensors to identify unmarked parts to give technicians live feedback and utilize computer-aided verification
- Success of vision system design resulted in a plant-wide machine vision update at Nissan
- Personally managed a budget of \$560,000
- Modeled and fabricated jigs to improve efficiency and ergonomics for technicians working on the line
- Assembled and installed AI cameras and fixtures to track the movements of technicians' hands and record cycle times to identify the slowest steps at different workstations

### TIKKUN OLAM MAKERS

Apr 2022 - May 2022

Lead Engineer

- Designed and built a gait assist trainer for a 7-year-old child with cerebral palsy
- Researched and consulted experts on biomechanical challenges associated with cerebral palsy with the goal of addressing the root issues through intentional design

### GEORGIA TECH ROBOTICS COMPETITION

Aug 2021 - Dec 2021

Student Competitor

- Designed, manufactured, machined, assembled, and programmed a robot to compete in Georgia Tech's 2110 Mechanical Engineering Competition
- Utilized resin printing, machining, laser cutting, intensive 3D modeling/printing, vinyl cutting
- Won 2nd place in design review and received awards for innovation and creative engineering solutions

### GLOBAL FOUNDRIES

Mar 2021 - Aug 2021

Manufacturing Operator and Fabrication Floor Technician

- Ran and operated eleven surface conditioning and chemical vapor deposition toolsets
- Performed batched wafer tests as quality control checks for the toolsets
- Evaluated foreign material detections with electron microscope imaging

### YESTERMORROW DESIGN/BUILD SCHOOL

Aug 2020 - Dec 2020

Student Builder and Architect

- Designed and built a 950 sq. ft. hyper-insulated, energy-efficient house in Waitsfield, VT with a team of twelve other builders
- Developed proficiency in framing, sheathing, siding, roofing, flooring, plumbing, and electric through months of on site experience

### WRECK RACING

Aug 2019 - Mar 2020

Shop Technician

- Engine swapped an LS 5.3 L V8 engine into a BMW E28, installed a 103mm CAT turbocharger and converted it to run on E85 biofuel
- 3rd Place Overall/1st Place in Concourse at Grassroots Motorsports Challenge