

# Giovanni Carrara

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## Education

**LeWagon, Milan, IT**  
*Full-Stack Web-Development Bootcamp*

Graduation: May 2018

**Northeastern University, Boston, MA**  
*Bachelor of Science in Industrial Engineering*  
GPA: 3.24, (Major Specific: 3.57)  
Honors: College of Engineering Dean's List

Graduation: May 2015

*Courses: Manufacturing Systems and Techniques, SolidWorks, Logistics and Supply Chain Management, Stochastic Modeling, Quality Assurance, and Project Management (MSc)*

## Work

**ALTA Motors, San Francisco, CA**  
*Mechanical Engineer*

May 2015-Present

- Ideated and completed dynamometer for the electric drivetrain, a test bed used as an R&D tool and for production sampling
  - Designed and assembled equipment: extruded aluminum frame, custom CNC components (3D models, drawings and GD&T), cooling system, wire harnesses (LV and HV), and circuits
- Designed tools, fixtures and test setups for: Assembly, Dealers, R&D, and Engineering
  - Discovered needs, understood processes and potential improvements for users
  - Performed entire design cycle from: ideation, initial concepts, 3D models, sourcing, assembly and improvements as necessary
- Developed company-wide Quality System and worked with international supplier network to ensure incoming parts met specifications and worked to drive improvements as necessary
  - Developed Supplier Quality Handbook with all literature/forms/requirements for: part approvals, process control, deviations, and rework
  - Assisted in developing and acted as beta tester of Quality ERP module

**BMW, Greer, SC**  
*Body Shop Production Improvement Intern*

January-May 2014

- Designed and manufactured tools for operators as requested to improve ergonomics and efficiency
- Helped in launching an 8 week training program for an operator position that was developed
  - Developed and taught Time Studies section of the course to teach operators how perform time studies on processes and how to measure improvements
  - Shadowed and assisted coaches during hands on training in the assembly plant

## Skills

- SolidWorks: Extensive knowledge of part design, assembly management and 2D drafting
- Data Analysis & Presentation: Advanced Excel knowledge and effective at presenting data
- Manufacturing Knowledge: Metals and plastic manufacturing knowledge

## Background

- Languages: Native in English and Italian, fluent in Spanish and French
- Interests: Cycling, photography, cooking, sailing, tennis, and motorcycling