

Luca Barone

Engineering Technician

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(123) 456-7890

Los Angeles, CA

[LinkedIn](#)

WORK EXPERIENCE

Engineering Technician

HDR, Inc.

Los Angeles, CA | 2022 - current

- Utilized AutoCAD to **design and modify 16 electrical layouts** for infrastructure projects, improving clarity and efficiency
- Assisted in the setup of National Instruments LabVIEW systems, streamlining data acquisition for testing of 8 mechanical prototypes
- Developed custom automation scripts in Siemens TIA Portal, enhancing control system testing for seven industrial projects
- Supported structural simulations in ANSYS, analyzing and optimizing designs for 3 large-scale civil engineering projects

Engineering Assistant

Skanska USA

Los Angeles, CA | 2019 - 2022

- Drafted detailed SolidWorks models of equipment components, contributing to the design of four new construction tools
- Managed project timelines and deliverables in Microsoft Project, ensuring on-time completion of six major infrastructure tasks
- Implemented MATLAB code to process data from testing, reducing post-processing time for 12 projects
- Designed electrical circuit schematics with EPLAN, **enabling the installation of 9 electrical systems** in construction projects

Engineering Intern

Gensler

Los Angeles, CA | 2018 - 2019

- Produced 3D models in AutoCAD to support architectural designs for seven office building layouts
- Applied Abaqus to **simulate material behavior for four structural projects**, leading to more precise and dependable design solutions
- Conducted site data analysis in ArcGIS, creating maps to inform the planning of two large urban development projects
- Streamlined communication in 3 building automation systems with Siemens TIA Portal, enhancing testing efficiency

SKILLS

- AutoCAD
- National Instruments LabVIEW
- Siemens TIA Portal
- SolidWorks
- ANSYS
- MATLAB
- Microsoft Project
- Abaqus
- EPLAN
- ArcGIS

EDUCATION

Associate of Science Engineering Technology

University of California

2016 - 2018

Los Angeles, CA