RESUME

LAITH BOUIZAR

ARCHITECTURAL ENGINEER

laithbouizar.com · linkedin.com/in/laith-bouizar · Washington, DC

WORK

2025 – PRESENT

STANTEC · Washington, DC

Building Performance Analyst Sep 2026 – Present

Mechanical Designer, Studio X Oct 2025 – Present

Building performance analysis and mechanical design in Stantec's Washington, DC office, including computational design work in Rhino and Grasshopper with Studio X.

2023 – 2026

PAGE SOUTHERLAND PAGE · Washington, DC

Graduate Mechanical Engineer Nov 2023 – Mar 2026

Designed mechanical systems for public and private buildings, and created energy models for a range of markets, applying architectural engineering practice to performance.

2021 – 2023

BURO HAPPOLD · Los Angeles, CA

Graduate Mechanical Engineer May 2022 – Nov 2023

Mechanical Intern May 2021 – May 2022

Designed mechanical and plumbing systems for large-scale commercial projects with a range of BIM and coordination tools, working with architects and the other disciplines on buildings from towers to multi-family housing and specialty resorts.

2020 – 2021

LAITH + ARCHITECTURE · Fairfax, VA

Architectural Designer (self-employed) Aug 2020 – May 2021

Independent consulting for residential design and drawings, including a modern renovation and addition to a Northern Virginia house.

2019

SEVAN MULTI-SITE SOLUTIONS · Downers Grove, IL

Assistant Project Coordinator (Co-op) Jan – Dec 2019

Researched new technologies for future development: virtual reality for architecture and construction, systems to assist architecture and design work, BIM asset development, and processing point clouds into models.

SOFTWARE

- Revit
- AutoCAD
- Adobe CC
- SketchUp
- Rhino + Grasshopper
- Inventor
- 3ds Max

Energy modeling · Enscape · Twinmotion · Unreal Engine · ReCap · ArchiCAD · Lumion · V-Ray · MATLAB

CERTIFICATIONS

- Autodesk Certified — Revit
- AutoCAD Certified
- Inventor Certified

LANGUAGES

- English
- French (conversational)

SUMMER 2018

DWG ENGINEERING · Mt. Pleasant, SC

MEP Design & Engineering Intern Summer 2018

Designed and modeled mechanical, electrical and plumbing systems in Revit and AutoCAD, and created custom BIM assets for individual projects.

2016 – 2018

INDEPENDENT · Springfield, VA

Architectural Consultant 2016 — 2018

Completed the design of a Moroccan beach house, now built, working with certified architects from Morocco and the US.

EDUCATION

2017 – 2022

UNIVERSITY OF CINCINNATI

B.S. Architectural Engineering, College of Engineering and Applied Science. Solar Decathlon office capstone project lead; 2nd place overall, CEAS Expo.

SUMMER 2015

TULANE UNIVERSITY

Summer Academic Exploration Program in Architecture: prepared an architecture program submission from art classes and CAD drawing.

HONORS & AWARDS

- AIA California Architecture @Zero Citation Award (2026) — CARAPACE, Stantec Studio X
- CEAS Expo 2022 — 1st in division, 2nd overall (Solar Decathlon capstone)
- 2nd place, ASC Region 3 Design Build Competition, Chicago (2018)
- 1st place, CSA New Builders Residential Competition (2018)
- Technology Student Association — National Finalist
- Technology Chair, Architectural Engineering Institute, Cincinnati chapter

ACTIVITIES & SERVICE

- Architectural Engineering Institute — Technology Chair
- Construction Student Association (CSA) — New Builders Residential Team 2018
- DAAP Pro Team for 3D Printing and Laser
- Team 2421 FIRST Robotics, Springfield VA — head of CAD design and 3D systems
- Rustic Pathways (Summer 2016) — Built housing for villages across Laos PDR.