

Experienced engineer with 8 years of proven experience in [Project Management](#) and [Structural Design](#). Quick-learning professional with excellent technical and communication skills. Increasing project efficiency by utilizing software and programming for real-world construction applications.

## Work Experience

### Toyota

#### Senior Project Engineer

08/2023 – Present Liberty, NC (Hybrid)

- Directly lead multiple concurrent large-scale industrial construction projects of up to \$50 million.
- Provided experience in plant planning project management, construction, and building design to ensure projects were designed and built to quality, cost, schedule, and safety KPI's.
- Developed criteria for MEP, Fire Protection, Structural, and Civil design of buildings as a Subject Matter Expert.
- Managed and mentored a dedicated team of engineers, construction coordinators, and other project personnel.

#### Civil Engineer Specialist

01/2021 – 08/2023 Brussels, Belgium (On-Site)

- Lead Pan-European manufacturing activities to ensure environmental compliance, minimize safety risks, and contribute to performance improvement through technical support and cross-company collaboration.
- Directly lead multiple large-scale construction projects of up to €20 million from tendering, throughout construction, to completion.
- Created and reviewed key project documentation and standards, such as cost estimations, project master schedules, civil kanban, change order requests, snag lists, and project completion reports.
- Developed a cost database system for Toyota construction projects, utilizing Python, SQL, and excel.

### Stantec Inc.

#### Structural Project Engineer

05/2019 – 11/2020 Plano, TX (Hybrid)

- Lead engineer for the complete structural design of steel and concrete structures.
- Directly Lead construction administration phase including field reviews and coordination, review of change orders, clarifications and RFI responses as required.
- Ensured company standards, quality assurance, and quality control procedures of Revit, AutoCAD, and BIM360 were followed during drawing production.
- Supported senior and intermediate members of the production team, as well as having direct coordination with lead architects.

### RLG Consultant Engineers

#### Structural Project Engineer

07/2017 – 04/2019 Dallas, TX (On-Site)

- Designed structural members of various materials including steel, concrete, masonry, and timber with relevant design codes and software assistance.
- Drafted structural models and details in Revit and AutoCAD.
- Lead multiple concurrent projects through the construction administration phase including being the primary point-of-contact, reviewing shop drawings, and responding to RFI's through Procore.

#### Structural Engineering Intern

06/2016 – 07/2017 Dallas, TX (On-Site)

## Education

### University of Texas at Arlington

Masters of Engineering, Civil Engineering

Class of 2025 Arlington, TX (Remote)

### Southern Methodist University

Bachelor of Science, Civil Engineering

Bachelor of Science, Mechanical Engineering

Class of 2017 University Park, TX (On-Site)

## Personal Info

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🌐 [HardieParham.com](https://www.hardieparham.com)

🌐 [Github.com/HardieParham](https://github.com/HardieParham)

## Software

MS Excel

MS Suite

Bluebeam Revu

RISA 3D

RAM Structural

SP Column

Tekla Structures

## BIM

Revit

AutoCAD

Procore

Autodesk Build

## Programming

VBA

Python

C# .NET

SQL

HTML/CSS/JS

## Certifications

OSHA 30 Safety

OSHA Subpart R

Engineer-In-Training (EIT)

## Building Codes

Steel – AISC 15

Concrete – ACI

Timber – NDS

Loading – IBC, ASCE 7

## Soft Skills

Project Management

Technical Communication

Budget Management

Cost Estimation

Construction Administration

People Management