

# Bryan Fernandes

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GPA: 3.7

## EDUCATION

**Liberty University**

*Bachelor's in Civil Engineering*

**Lynchburg, Virginia**

*Est: May 2024*

## WORK EXPERIENCE

### WSP

**Lawrenceville, NJ**

*Bridge Inspection Intern*

*May 2023 – Present*

- Reviewed previous inspection reports and contributed to the planning of field operations for a 34-bridge contract for the NJ Department of Transportation.
- Provided assistance to Field Inspectors in designing repair plates for multi-girder structures with fatigue cracks that were caused by short-end details on the girder web.
- Utilized CombIS report program to generate inspection reports for the NJ Department of Transportation.

### Dynamic Engineering

**Lake Como, NJ**

*Assistant Design Engineer Intern*

*November 2022 – May 2023*

- Prepared due diligence investigations including zoning and land use ordinance reviews, GIS reports, OPRA requests/review, and utility “will serves”.
- Designed Bluebeam sketches of initial site layouts that were delivered to clients and compliant with ADA, state, and local regulations.
- Conducted site visits, generated cost estimates, and coordinated with various contractors.
- Utilized HydroCad for stormwater modeling and management and created BMP manuals and Stormwater reports.

### Grade Construction

**Paterson, NJ**

*Field Engineer Intern*

*March – November 2022*

- Executed bid takeoffs for projects ranging from 4-8 million dollars. Specialized in earthwork takeoff and plan rendering for Cape May Streetscape Improvements in Harrison NJ estimated at \$7,000,000, Middlesex County Landfill Pond improvements estimated at \$5,000,000 utilizing Insite Elevation software.
- Assisted PMs by conducting the buyout of 3 culvert and bridge rehab projects ensuring that cut sheets and shop drawings were submitted to the engineers for a smooth operation for the contractor.
- Coordinated employees to jobs and assigned tasks in conjunction with the senior PM.
- Gained hands-on experience with assisting Senior PMs in conducting take off's for as-builts to ensure proper elevations for the formwork of bridge deck and approach slabs.

### BestBuy

**East Brunswick, NJ**

*Sales Adviser*

*September 2021 – March 2022*

- Assist customers with their appliance or home theater packages by providing appropriate recommendations based on customer needs.
- Sold \$130,000 in appliances within a month tracking period.

### Grade Construction

**Paterson, NJ**

*Foreman Shadow*

*March – September 2020*

- Constructed Oak Ridge Athletic Park in Clark New Jersey.
- Used foreman Topcon GPS system to survey elevation of designated areas as well as staking out project light posts for contractors using Topcon Survey GPS.
- Worked alongside the site project manager and gained communications skills by calculating how many trucks of contaminated soil would have to leave the site as well as calling manufacturers and logistic companies to ensure site materials would be delivered within the timeframe designated by the Engineering firm.

### Grade Construction

**Paterson, NJ**

*Labor*

*June – September 2018*

- Built sidewalks for existing facilities; ensuring there was the proper pitch for water flow, installed utilities such as water and sewer in various towns.
- Built Mount Olive's recreational synthetic turf field in Mount Olive NJ, Hyatt Hotel water utilities in Fort Lee NJ, Shoprite & Wells Fargo Complex water utilities in New Milford NJ, Meisel Avenue Springfield Synthetic Turf Park.

## SKILLS & INTERESTS

**Notable Classes:** Project Management, Surveying, Fluid Dynamics, Mechanics of Materials, Structural Analysis, Statics

**Skills:** PowerPoint, Excel, Procore, Site Layout, Stormwater Modeling, Auto Cad Civil 3D, RFI's, B2W, Submittals, Takeoffs, Insite Elevation, HydroCad, Bluebeam, ArcGIS, FEMA Flood Studies

**Languages:** English, Portuguese, Spanish