

# JESSICA CLAIRE

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## Professional Summary

Civil Engineer with 2 years in the transportation sector with a special focus on roads and bridges. Civil Survey Engineer who works collaboratively with customers and coworkers to create quality designs. Civil Engineer who collaborates with large teams to implement successful problem solving strategies.

## Work History

### Field Testing Technician, Current to Current

**Vanasse Hangen Brustlin**

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### Civil Engineering Co-op, 05/2016 to Current

**Charter Spectrum – Slidell, LA**

- Performed Concrete Testing (ACI) at various jobsites throughout Ohio, rebar inspections prior to pouring, and compaction testing with nuke gauges for roadways and pads.
- In addition, I proof rolled problem areas.
- Accountable for monitoring activates at Lake County Landfill, Activities included

### Engineering Intern, 05/2015 to 05/2016

**Snc Lavalin**

- Inserted and labeled underground pipes and other utilities with AutoCAD.
- Designed bid books and established inspection books with daily reports, calculations sheets and order documents with submittals.
- Examined contractor's weekly payroll for various projects.
- Reviewed calculations and analytical data to maintain accuracy of the technical reports.
- Recommended and selected new and replacement test equipment to improve research and testing capabilities.
- Drafted detailed dimensional drawings and design layouts.
- Interpreted an extensive variety of technical instructions in mathematical and diagram form.
- Researched and investigated project requirements.

### Civil Engineering Intern, 07/2014

**Charter Spectrum**

- Responsible for a drilling crew used to collect soil samples through soil boring at various levels of the site.
- Conducted on site testing to determine soil type and other properties as well further testing in the Cleveland Laboratory.
- Responsible for all safety paperwork involving employees on sites and insuring safety/compliance.
- Conducted traffic volume counts and compiled traffic accident data to improve road safety and overall efficiency.
- Visited project sites during construction to monitor progress and consult with contractors and on-site engineers.
- Inspected project sites to monitor progress and adherence to design specifications, safety protocols and state sanitation standards.

### Engineering Intern, 07/2013

**Highway Department – City, STATE**

- Measured bridges in Jefferson County for accurate definitions of bridge guidelines; Bridges not at least 6 feet in diameter were deleted from the AutoCAD drawings, proper labeling was done and then I filled in the measurements of remaining bridges.
- Experience in using both new and old surveying devices.
- Assisted with numerous surveying projects; Conducting surveys, uploaded data into a spreadsheet and prepared AutoCAD files.
- Established traffic counters on county roads.
- Recorded end of the day data used to determine resurfacing type need.
- Finalized speed surveys of roads providing support for County Highway Dept.
- Completed complex technical surveys for the development of roadway, intersection and bridge construction plans.
- Conducted traffic volume counts and compiled traffic accident data to improve road safety and overall efficiency.
- Recommended and selected new and replacement test equipment to improve research and testing capabilities.

## Skills

- Drafting
  - FMEA
  - Drainage design
  - Stress analysis tools
  - Excellent communication skills
  - Permit applications and laws
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- AutoCAD, Solidworks, C++, Microsoft Excel, Project and VisioCost estimates  
Technical reports  
Cement and pavement construction site management  
Microsoft Office Suite  
Client relations

## Education

### Bachelor of Science: Civil Engineering, Current

**Youngstown State University - Youngstonw, OH**

- Civil Engineering Club
- Coursework includes Concrete Pavement and Materials
- Advanced AutoCAD courses

B.S.E in Civil Engineering, December 2016. Major GPA: 3.48 Coursework: Surveying, Statics, Strength of Materials, Fluid Mechanics, Structural Analysis, Physics 1 and 2, Calculus 1-4, Differential Equations, Environmental Engineering, C++, Transportation Engineering, Engineering Statistics, Engineering Ethics

- Previously attended Ohio State University (2011-2014)

Surveying, Statics, Strength of Materials, Fluid Mechanics, Structural Analysis, Physics 1 and 2, Calculus 1-4, Differential Equations, Environmental Engineering, C++, Transportation Engineering, Engineering Statistics, Engineering Ethics \*Previously attended Ohio State University, Business Studies: December 2016

## Certifications

OSHA 40 hour HazwopperOSHA Outreach 10 hourSmith System safe driving courseSafeland TrainingACI Concrete Field Testing TechnicianPortable Nuclear Density/ moisture Gauge Use and Safety Training