

Katie Rogers

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| Objective: | Seeking a full-time offer in the Civil Engineering field that will allow me to use and expand my knowledge | |
| Education: | Rose-Hulman Institute of Technology Terre Haute, IN <i>Bachelor of Science, Civil Engineering</i> | Graduating Spring 2020 GPA: 3.10/4.0 |
| Courses/Skills: | Relevant Coursework: <ul style="list-style-type: none">Hydraulic EngineeringWater Resources EngineeringTransportation EngineeringEnvironmental EngineeringStructural Mechanics IConcrete Design | |
| Skills | <ul style="list-style-type: none">MicroStationAutoCADArcGISEPANetHEC-RASMASTAN | |
| Internships: | Gresham, Smith and Partners Louisville, KY <i>Internship – Transportation Group</i> <ul style="list-style-type: none">Designed a multi-use path for downtown Louisville while working in a team of interns from other disciplines.Provided support during the planning and design process of transportation related geometry.Assisted in research for planned projects in order to win bids for the companyDeveloped graphic representations of conceptual design through MicroStation and aerials using standard drawings and best practices for our field. | |
| | American Structurepoint, Inc. Jeffersonville, IN <i>Internship – Construction Solutions Group</i> <ul style="list-style-type: none">Ensured all work done on site complied with plans and specifications through on-site inspectionOversaw and inspected the following: materials testing, storm sewer installation, HMA paving, concrete construction, and stripingRecorded detailed field reports, which included information on material data and work performed | Jun. 2018 – Aug. 2018 Jun. 2017 – Aug. 2017 |
| Projects: | Concrete Design Term Project <ul style="list-style-type: none">Designed a proposed layout of an existing apartment building using reinforced concrete slabs and beams using AutoCADCalculated factor moments at critical sections and factored moment a shear envelope | Nov. 2018 – Feb. 2019 |
| | Water Supply Study <ul style="list-style-type: none">Designed a pipe network for water distribution in a new residential development using EPANetCalculated the water surface profile in Walnut Creek using HEC-RASSelected a pump for the new well based on the required range of pumping rates. | Oct. 2018 – Nov. 2018 |
| | Rose Diversity Connect, Honorable Mention <i>Toyota Challenge</i> <ul style="list-style-type: none">Co-designed a product (app) in a team that encompassed multiple disciplines.The app used Bluetooth and a weight sensor in order to detect and alert a guardian if they leave a child in a car unattended. | Sept. 2017 – Oct. 2017 |
| Leadership: | <ul style="list-style-type: none">American Society of Civil Engineers, PresidentResidence Life Staff, Resident AssistantAmerican Society of Civil Engineers, Great Lakes Conference CoordinatorResidence Life Staff, Sophomore Advisor | Jan. 2019 – Present Aug. 2018 – Present Oct. 2017 – Jan. 2019 Aug. 2017 – May 2018 |

