

# Dawson Allen

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<b>Objective:</b>	Full-time position as a Structural Engineer	
<b>Education:</b>	<b>Bachelor of Science in Civil Engineering, May 2021</b> Rose-Hulman Institute of Technology, Terre Haute, IN	3.4/4.0 GPA
<b>Skills:</b>	<ul style="list-style-type: none"><li>▲ <i>Software:</i> Bluebeam, AutoCAD, Revit, RAM Structural System, RISA, Enercalc, SAP2000, Mathcad, ArcGIS, On-Screen Takeoff</li><li>▲ Prescriptive structural design based on ASCE 7, IBC, ACI, AISC, etc.</li><li>▲ Presentation skills: presented to Carmel City Council, City Directors and private firms</li><li>▲ Surveying: total station, auto-level, GPS, project planning, etc.</li></ul>	
<b>Experience:</b>	<b>KPFF Consulting Engineers, St. Louis, MO</b> <i>Structural Engineer Intern</i>	Summer 2020
	<ul style="list-style-type: none"><li>▲ Gained knowledge of structural building design/construction processes (renovation &amp; new construction).</li><li>▲ Provided structural design criteria and calculations for storm shelter based on ASCE 7, ICC 500, IBC.</li><li>▲ Performed structural calculations of seismic mass &amp; seismic force distribution for historic renovation.</li><li>▲ Performed design of welds, base plates, cast-in anchors, wood framing, beams, columns, &amp; other miscellaneous structural items.</li><li>▲ Visited construction sites to assist in structural evaluation and produce assessment reports.</li><li>▲ Reviewed structural shop drawings.</li></ul>	
	<b>ARCO National Construction, St. Louis, MO</b> <i>Project Manager Intern</i>	Summer 2019
	<ul style="list-style-type: none"><li>▲ Assisted project managers in design coordination and review, project cost analysis, construction scheduling, permitting, communication with project stakeholders and subcontractors.</li><li>▲ Produced subcontract agreements, including scopes of work.</li><li>▲ Coordinated bid information distribution, collection, review, and award processes.</li><li>▲ Reviewed project drawings for: comprehensive understanding of project scope, design revisions, reduced conflicts among drawings.</li></ul>	
	<b>City of Carmel Engineering Department, Carmel, IN</b> <i>Intern</i>	Summer 2018
	<ul style="list-style-type: none"><li>▲ Performed Street Light Study, analysis of current streetlight billing/technology and produced an engineering report of analysis completed</li><li>▲ Collaborated with city departments to maximize efficient administrative processes through “smart” technologies and automated payment methods</li><li>▲ Gained knowledge of specific municipal government processes and objectives</li><li>▲ Observed various construction methods and procedures (hydrodemolition, bridge rehabilitation, culvert replacement, lime stabilization, roundabout installation, etc.)</li></ul>	
<b>Activities &amp; Honors:</b>	<ul style="list-style-type: none"><li>▲ American Society of Civil Engineers (ASCE), President</li><li>▲ Resident Assistant, Rose-Hulman Residence Life</li><li>▲ Rose-Hulman Men’s Indoor and Outdoor Track and Field Team, All-Conference</li><li>▲ ASCE Indiana Section Student Award 2020, recipient</li><li>▲ RHIT Student Affairs Committee, Student Representative</li><li>▲ Rose-Hulman Student Government Association (SGA), Secretary 2019-20</li><li>▲ Jim Diehl Memorial Scholarship (RHIT), Recipient, 2019-20</li><li>▲ Cecil T. Lobo Civil Engineering Scholarship (RHIT), Recipient, 2019-20</li><li>▲ Bridges of Indiana, Direct Support Professional, Summer 2017</li><li>▲ Camp Barnabas, Missionary, Summers: 2012 – 2017</li></ul>	
<b>Interests:</b>	<ul style="list-style-type: none"><li>▲ Mountain biking, running, hiking, snowboarding, camping, &amp; nearly all outdoor activities.</li><li>▲ Travel – I’m always excited to visit new places!</li></ul>	